Supporting Information

Preparation of Fe_3O_4 nanoparticles. The Fe_3O_4 nanoparticles were synthesized by means of a solvothermal reaction. Briefly, 2.7 g of $FeCl_3 \cdot 6H_2O$ was dissolved in 100 mL of EG under ultrasonication, and subsequently 7.2 g of NaAc was added to the solution. After stirring for 0.5 h, the resulting solution was transferred to a Teflon-lined stainless steel autoclave, heated at 200 ℃ for 6 h, and then cooled to room temperature. The resulting nanoparticles were collected with a magnet, washed with ethanol and dried under vacuum at 50℃.

Synthesis of Fe_3O_4@SiO_2-MPS core-shell nanoparticles. 200 mg of Fe_3O_4 nanoparticles were dispersed in a mixture solution containing 160 mL of ethanol, 40 mL of water and 1.5 mL of $NH_3 \cdot H_2O$ with ultrasonication for 30min, then the mixture was stirred for 30 min at room temperature. 0.8 mL of TEOS was added into it and stirred for another 10 h. The resulted product was collected and successively washed with ethanol, water and, then redispersed in solvent consisting of 40 mL of ethanol, 10 mL of water and 1.5 mL of $NH_3 \cdot H_2O$. Then 0.4mL of γ-MPS was added dropwise and stirred for 24 h under 40℃.The resulting Fe_3O_4@SiO_2-MPS nanoparticles were collected with a magnet ,washed with ethanol for 3 times and dried under vacuum at 50℃.

Synthesis of Fe_3O_4@SiO_2-SH core-shell nanoparticles. 100 mg of Fe_3O_4 nanoparticles was dispersed evenly in 30 mL of anhydrous toluene. Subsequently, 0.3 mL of 3-mercaptopropyltrimethoxysilane was added dropwise and stirred for 24 h under nitrogen atmosphere. The resulting nanoparticles were collected with a magnet, washed with ethanol and dried under vacuum at 50 ℃.

Preparation of HILIC-SPE Tips. Briefly, the GELoader tip was first packed with a small piece of cotton wool. Subsequently, about 1 mg of ZIC-HILIC beads (4 μL, 100 Å) were packed into the tip by centrifugation at 7000 rpm for 5 mins. Finally, the tip was washed by 10 μ L of H_2O and equilibrated with 10 μL of 80% ACN before usage.

Selective enrichment of glycopeptides by traditional HILIC-SPE tips. 20 μL of solution equivalent to 3 μg of protein redissolved in loading buffer (ACN/H_2O/TFA, 80: 19: 1, v/v/v) was pipetted into a prepared HILIC SPE tip. After centrifuging at 7000 rpm for about 10 min, the HILIC tip was washed with 10 μL of loading buffer for three times to remove the non-specifically adsorbed peptides and then eluted with the eluting buffer (H_2O/TFA, 99.9: 0.1, v/v, 10 μL) twice. The eluted intact glycopeptides were detected by MALDI-TOF MS directly.

For glycopeptides enrichment from complex sample, 65 μg digests of proteins extracted from mouse liver redissolved in 50 μL of loading buffer (ACN/H_2O/TFA, 80: 19: 1, v/v/v) was pipetted into a prepared HILIC tip. After centrifuging at 4 000g for about 10 min, the HILIC tip was washed with 50 μL of loading buffer for three times to remove the non-specifically adsorbed peptides and then eluted with the eluting buffer (H_2O/TFA, 99.9: 0.1, v/v, 50 μL) twice. Finally, the eluate was lyophilized and deglycosylated for LC-MS/MS analysis.

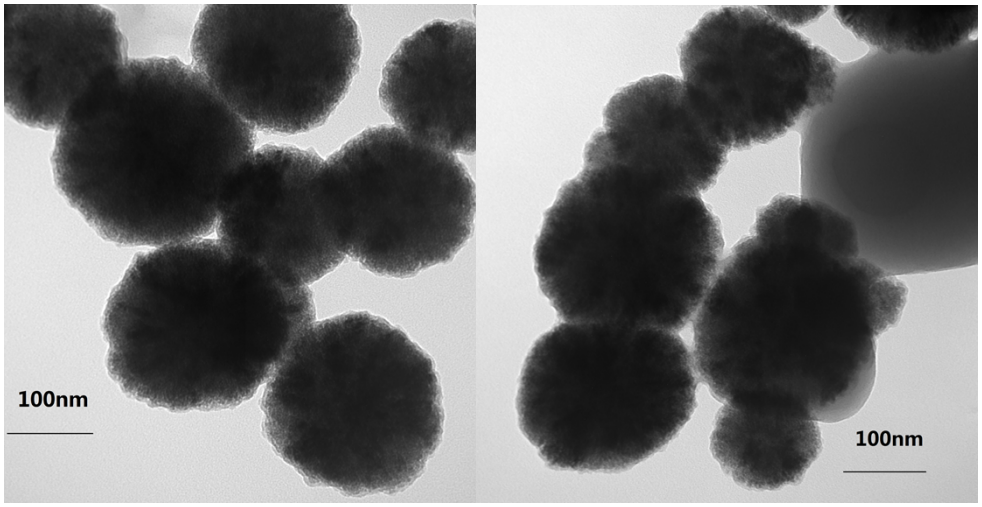
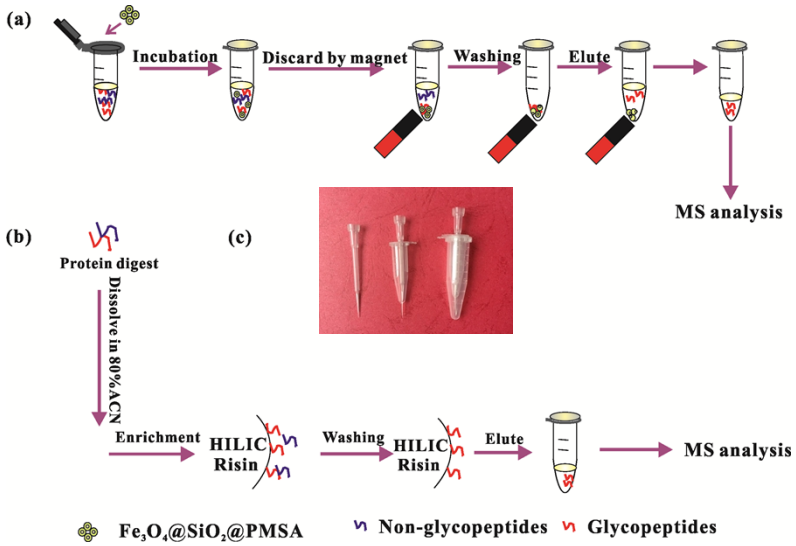


Fig.S1 TEM images of the nanoparticles when the ratio of co-solvent ACN/water is a) (9:1, v/v); b) (1:1, v/v)



Scheme S1 Schematic illustration of the workflow of glycopeptides enrichment from a biological sample using (a) Fe_3O_4@SiO_2@PMSA nanoparticles (b) HILIC tips; (c) photographs of HILIC tips and the constructed enrichment reactor

Table S1. Molecular masses and proposed oligosaccharide composition of glycopeptides enriched from HRP digests. N# denotes the N-linked glycosylation site.

No.	m/z	Glycan composite	Amino acid sequence
1	2543	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	SSPN#ATDTIPLVR
2	2591	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	PTLN#TTYLQTLR
3	3089	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	GLCPLNGN#LSALVDFDLR
4	3146	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	GLCPLNGN#LSALVDFDLR.Oxide
5	3206	[Hex]3[HexNAc]2[Xyl]1	SFAN#STQTFFNAFVEAMDR
6	3322	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	QLTPTFYDNSCPN#VSNIVR
7	3354	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	SFAN#STQTFFNAFVEAMDR

8	3607	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	NQCRGLCPLNGN#LSALVDFDLR
9	3673	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	GLIQSDQELFSSPN#ATDTIPLVR
10	3895	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	LHFHDCFVNGCDASILLDN#TTSFR
11	4057	[Hex]3[HexNAc]2[Xyl]1	QLTPTFYDNSC(AAVESACPR)PN#VSNIVR-H2O
12	4224	[Hex]3[HexNAc]2[Fuc]1[Xyl]1	QLTPTFYDNSC(AAVESACPR)PN#VSNIVR
13	4839	[Hex]3[HexNAc]2[Fuc]1[Xyl]1 [Hex]3[HexNAc]2[Xyl]1	LYN#FSNTGLPDPTLN#TTYLQTLR
14	4985	[Hex]3[HexNAc]2[Fuc]1[Xyl]1 [Hex]3[HexNAc]2[Fuc]1[Xyl]1	LYN#FSNTGLPDPTLN#TTYLQTLR

HexNAc=N-acetylglucosamine, Hex=mannose, Fuc=fuctose, Xyl=xylose.

Table S2. Molecular masses and proposed oligosaccharide composition of glycopeptides enriched from chicken avidin digests. N# denotes the N-linked glycosylation site.

No.	m/z	Glycan composite	Amino acid sequence
1	2039	[HexNAc]1	WTNDLGSN#MTIGAVNSR
2	2566	[Hex]2[HexNAc]2	WTNDLGSN#MTIGAVNSR
3	2728	[Hex]3[HexNAc]2	WTNDLGSN#MTIGAVNSR
4	2890	[Hex]4[HexNAc]2	WTNDLGSN#MTIGAVNSR
5	2931	[Hex]2[HexNAc]3	WTNDLGSN#MTIGAVNSR
6	3052	[Hex]5[HexNAc]2	WTNDLGSN#MTIGAVNSR
7	3093	[Hex]3[HexNAc]3	WTNDLGSN#MTIGAVNSR
8	3135	[Hex]4[HexNAc]3	WTNDLGSN#MTIGAVNSR
9	3214	[Hex]6[HexNAc]2	WTNDLGSN#MTIGAVNSR
10	3255	[Hex]5[HexNAc]3	WTNDLGSN#MTIGAVNSR
11	3296	[Hex]4[HexNAc]4	WTNDLGSN#MTIGAVNSR
12	3376	[Hex]7[HexNAc]2	WTNDLGSN#MTIGAVNSR
13	3417	[Hex]6[HexNAc]3	WTNDLGSN#MTIGAVNSR
14	3458	[Hex]5[HexNAc]4	WTNDLGSN#MTIGAVNSR
15	3620	[Hex]6[HexNAc]4	WTNDLGSN#MTIGAVNSR

HexNAc=N-acetylglucosamine, Hex=mannose.

Table S3. Molecular masses and proposed oligosaccharide composition of glycopeptides enriched from human IgG digests. N# denotes the N-linked glycosylation site.

No.	m/z	Glycan composite	Amino acid sequence
1	2286	[Hex]3[HexNAc]3	EEQYN#STYR
2	2432	[Hex]3[HexNAc]3[Fuc]1	EEQYN#STYR

3	2488	[Hex]3[HexNAc]4	EEQYN#STYR
4	2594	[Hex]4[HexNAc]3[Fuc]1	EEQYN#STYR
5	2603	[Hex]3[HexNAc]4[Fuc]1	EEQFN#STFR
6	2618	[Hex]4[HexNAc]4	EEQFN#STFR
7	2635	[Hex]3[HexNAc]4[Fuc]1	EEQYN#STYR
8	2650	[Hex]4[HexNAc]4	EEQYN#STYR
9	2658	[Hex]3[HexNAc]5	EEQFN#STYR
10	2764	[Hex]4[HexNAc]4[Fuc]1	EEQFN#STFR
11	2780	[Hex]5[HexNAc]4	EEQFN#STFR
12	2797	[Hex]4[HexNAc]4[Fuc]1	EEQYN#STYR
13	2806	[Hex]3[HexNAc]5[Fuc]1	EEQFN#STYR
14	2812	[Hex]5[HexNAc]4	EEQYN#STFR
15	2821	[Hex]4[HexNAc]5	EEQFN#STFR
16	2838	[Hex]3[HexNAc]5[Fuc]1	EEQYN#STYR
17	2853	[Hex]4[HexNAc]5	EEQYN#STYR
18	2926	[Hex]5[HexNAc]4[Fuc]1	EEQFN#STFR
19	2958	[Hex]5[HexNAc]4[Fuc]1	EEQYN#STYR
20	2968	[Hex]4[Hex7NAc]5[Fuc]1	EEQFN#STFR
21	2983	[Hex]5[HexNAc]5	EEQFN#STFR
22	3000	[Hex]4[HexNAc]5[Fuc]1	EEQYN#STYR
23	3087	[Hex]4[HexNAc]4[Fuc]1[NeuAc]1	EEQYN#STFR
24	3129	[Hex]5[HexNAc]5[Fuc]1	EEQFN#STFR
25	3161	[Hex]5[HexNAc]5[Fuc]1	EEQYN#STYR
26	3250	[Hex]5[HexNAc]4[Fuc]1[NeuAc]1	EEQYN#STYR

HexNAc=N-acetylglucosamine, Hex=mannose, Fuc=fuctose, NeuAc=sialic.

Table S4. The signal to noise (S/N) ratio of the six selected glycopeptides from human IgG by direct analysis andanalysis after enrichment by Fe_3O_4@SiO_2@PMSA and Fe_3O_4@SiO_2-MSA.

No.	m/z	S/N		
		Direct	Fe_3O_4@SiO_2@PMSA	Fe_3O_4@SiO_2-MSA
I6	2601.53	290.36	593.66	43.77
I8	2633.52	87.79	1343.44	322.17
I10	2763.59	249.60	1028.79	144.97
I12	2795.58	95.76	1964.41	920.60
I16	2925.63	104.66	615.59	133.44
I17	2957.62	52.80	1294.50	792.52

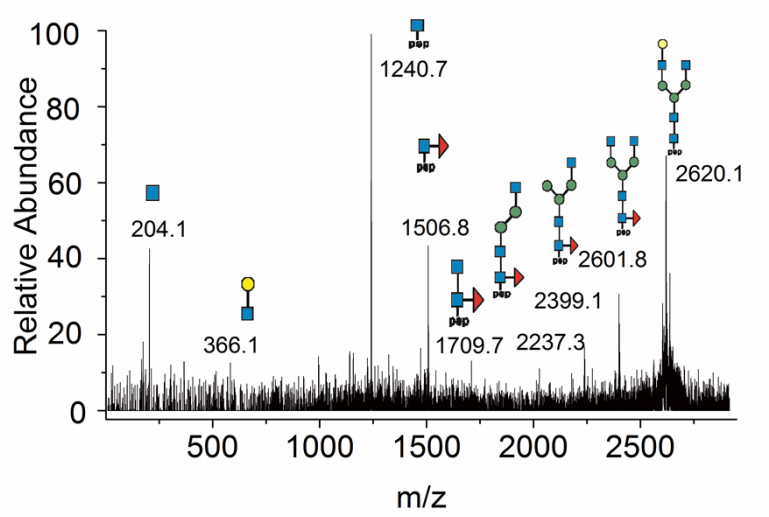


Figure. S2 MS/MS spectrum of glycopeptide (m/z=2763.8) from human IgG digests

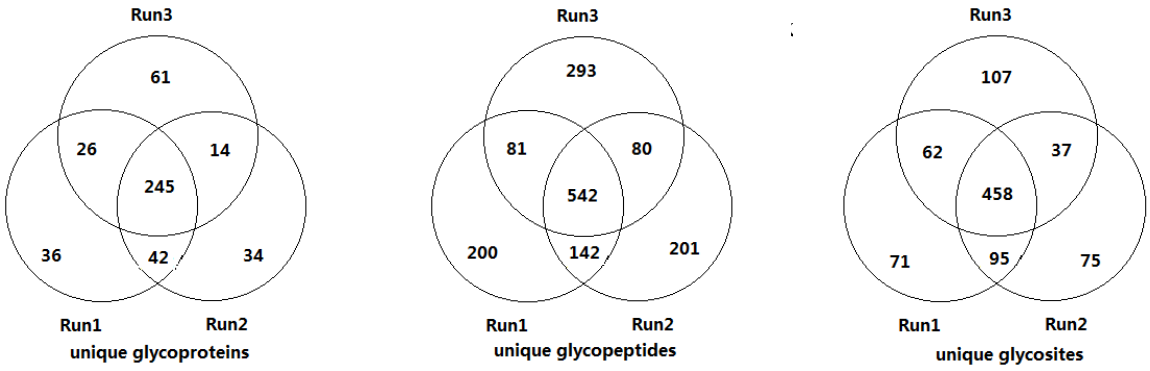


Figure. S3 Overlap of N-glycoproteins, N-glycopeptides and N-glycosylation sites identified by Fe_3O_4@SiO_2@PMSA

Table S5. List of identified glycoproteins and peptides sequence from tryptic digest of proteins sample extracted from mouse liver after enrichment by Fe_3O_4@SiO_2@PMSA, N* denotes the N-linked glycosylation site.

No.	Protein	Description	Peptide sequence
1	A1L314	Macrophage expressed gene 1 protein	K.ALMDICDQLEKN*QTK.M
2	A2AS89	Agmatinase, mitochondrial	K.EHGPVGLVHVGAHTN*TTDKPREEK.VE
3	A2ATU0	Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial	R.GRQQ*SREDGDYSPN*GSAQPGDK.V
4	A6H584	Collagen alpha-5(VI) chain	K.SN*DSVLEPANR.L R.AEQITIHAIGIGEAN*KTQLR.Q R.DLGMFAPN*MTR.I R.DLQNFLEN*VTSSVDVK.D R.EQESM#M#N*LTIHLVK.K R.RFN*ETR.D R.SSAN*QSEFQQQIQK.L R.YQEIIELESSLN*KTQWK.S
5	A6X935-2	Isoform 2 of Inter alpha-trypsin inhibitor, heavy chain 4	R.KAFITN*FSM#IIDGVTYPGVVK.E R.ISASGAELEALEAQVLN*LSLK.Y R.GLMLLLN*DTQHFSNNVK.G
6	B2RXS4	Plexin-B2	K.LQVTLYN*CSFGR.S K.LSHDGN*ETLPLHLYVK.S K.SCVAITDAFPQN*MSR.R K.VVFLSPAVPEEPEAYN*LTVLIR.M R.AMSN*ISVR.L R.CVYEALCSN*VTSECPPPVITR.I R.GGLN*LTAVTVTAENDHTVAFLGTSDGR.I R.MDGHCAPLRTEAGVFEYVADPTFEN*FTGGVKK.Q R.QGPQAGGTTLTIN*GTHLDTGSKEDVR.V R.TEAGVFEYVADPTFEN*FTGGVK.K
7	E9Q414	Apolipoprotein B-100	R.LPQQIHHYLN*ASDWER.Q K.IDVNSWIEN*FTK.T
8	O08532-2	Isoform 2B of Voltage-dependent calcium channel subunit alpha-2/delta-1	R.NTQIN*NSWGQEER.S
9	O08573-2	E Isoform Short of Galectin-9	K.EGN*CSAQ*SGLAWQ*DCDFKDAEEAATGECTATVGK
10	O08677-2	Isoform LMW of Kininogen-1	R.E K.IAN*FSQSCTLYSGDDLVEALPKPCPGCPR.D -.M#EAHN*VSAPFN*FSLPPGFGHR.A
11	O08705	Sodium/bile acid cotransporter	K.LQLEFRPLDLN*STAAGLPR.L
12	O08717	Inhibin beta E chain	K.TVCIEKN*ETLGGTCLNVGCIPSK.A
13	O08749	Dihydrolipoyl dehydrogenase, mitochondrial	K.YEVDWNQSTLDCVDPLSSLAAN*R.S
14	O08966	Solute carrier family 22 member 1	R.CGWSPAEELN*YTVPGLGSAGEASFLSQCM#K.Y K.ASSSFRPN*GTK.F

15	O09043	Napsin-A	K.QN*FSFCR.E
16	O09159	Lysosomal alpha-mannosidase	R.ELN*ISICPVSQTSER.F
			R.LSHYKQN*FSFCR.E
			R.RDDYRPTWTLN*QTEPVAGNYYPVNTR.I
			K.AYVFERN*QSVGDPNVDLIR.T
17	O35114	Lysosome membrane protein 2	K.N*MVLQN*GTK.V
			R.NGTN*DGEYVFLTGEDNYLN*FSK.I
			R.NKANIQFGEN*GTTISAVTNK.A
			R.TM#VFPVM#YLN*ESVLIDKETANQ*LK.S
			R.TM#VFPVM#YLN*ESVLIDKETANQLK.S
			K.STEPCAHLLVSSIGVVGTAEQN*R.T
18	O35215	D-dopachrome decarboxylase	
		Serine protease hepsin	R.TAGAN*GTSGFFCVDEGGLPLAQR.L
19	O35453	Isoform 2 of Serine protease hepsin	R.TAGAN*GTSGFFCVDEGGLPLAQR.L
20	O3545-2	Disintegrin and metalloproteinase	R.WSFSN*GTSWQK.E
			K.EGICN*GFTALCPASDPKPN*FTDCN*R.H
21	O35598	domain-containing protein 10	R.N*ISQVLEK.K
			K.NYKNPN*LTISFTAER.S
22	O35604	Niemann-Pick C1 protein	K.SLAQYLHSGPPVYFVLEEGYN*YSSR.K
			R.ACN*ATNWIEYMFNK.D
			R.LIASN*ITETM#R.S
			K.ATPNEGFFNQN*ITTFYYDR.L
23	O35632	Hyaluronidase-2	R.FDAAGTSVHGGVPQN*GSLCAHLPM#LK.E
			R.RNPSANTFLHLN*ASSFR.L
			R.WSFSN*GTSWQK.E
24	O35657	Sialidase-1	K.N*ATYGYVLDDPDPDDGFNYK.Q
25	O35887	Calumenin	R.LLN*LTSPEATAK.V
26	O55026	Ectonucleoside triphosphate diphosphohydrolase 2	R.YVQN*GTYTAK.V
27	O55111	Desmoglein-2	R.LSSSPN*VTISCK.D
28	O70362	Phosphatidylinositol-glycan-specific phospholipase	
		D	K.KTN*QSCELVIDSTEK.V
29	O70570	Polymeric immunoglobulin receptor	K.KTN*QSCELVIDSTEKVNPSYIGR.A
			R.ANLIN*FPEN*N*TFVINIEQLTQDDTGSYK.C
			R.N*VTIECPFKR.E
			R.YEVDWN*Q*STLDCVDPLSSLAAN*R.S
30	O70577-2	Isoform 2 of Solute carrier family 22 member 2	R.VN*GTDLAPDLLN*GSQLILR.S
31	O88507	Ciliary neurotrophic factor receptor subunit alpha	K.FFN*DSIVDPVDSEWFGFYR.S
32	O88531	Palmitoyl-protein thioesterase 1	R.CVN*ESYK.K
			K.VN*KTEEDYAR.D
33	O88668	Protein CREG1	R.NHGFDPQSPLCVHIM#M#SGTVTKVN*KTEEDYAR.
			K.TWN*QSIALR.L
34	O88783	Coagulation factor V	R.DIHVVHFHGQTLLDN*R.T
			R.TLPHPDLTHIPPPSPSPTLN*NTSLSR.K
			R.AFM#N*SSFTIDPK.S

35	O88792	Junctional adhesion molecule A	R.LNSAPVEGYSEHVGN*K.T
36	O88829- 2	Isoform 2 of Lactosylceramide alpha-2,3-sialyltransferase	K.SHTN*TSHVM#QYGN*K.S
37	O89017	Legumain	R.HVEDKFN*ETTQR.S
38	O89020-2	Isoform 2 of Afamin	K.DVGSGTTN*N*SQACAQFLEQYFHN*SDLTEFM#R.I
39	O89023	Tripeptidyl-peptidase 1	K.SSSHLPPSSYFN*ASGR.A R.QRYN*LTAK.D R.KSEEMLNIVNNSKDFVEN*VTSGNAVDFFPVLR.Y
40	P00186	Cytochrome P450 1A2	K.ALN*VTLSSM#GR.N
41	P01029	Complement C4-B	K.N*TTCQDLQIEVK.V R.FSDGLESN*R.S R.EDYN*STLR.V
42	P01863	Ig gamma-2A chain C region, A allele	R.EEQFN*STFR.S
43	P01868	Ig gamma-1 chain C region secreted form	K.IKIMESHPN*GTFSAK.G
44	P01872	Ig mu chain C region	K.IM#ESHPN*GTFSAK.G K.STGKPTLYN*VSLIMSDTGGTCY.- K.IM#ESHPN*GTFSAK.G
45	P01872-2	Isoform 2 of Ig mu chain C region	R.RYLKN*GN*ATLLR.T
46	P01895-2	Isoform 2 of H-2 class I histocompatibility antigen, alpha chain	R.YYN*QSAGGSHTLQWM#AGCDVESDGR.L K.WASVVVPLGKEQN*YTCR.V
47	P01896	H-2 class I histocompatibility antigen, alpha chain (Fragment)	K.EQN*YTCR.V
48	P01897	H-2 class I histocompatibility antigen, L-D alpha chain	K.N*GN*ATLLR.T K.EQN*YTCHVYHEGLPEPLTLR.W
49	P01898	H-2 class I histocompatibility antigen, Q10 alpha chain	R.YYN*QSAGGSHTLQWM#AGCDVESDGR.L
50	P01900	H-2 class I histocompatibility antigen, D-D alpha chain	K.EQN*YTCHVHHK.G
51	P01902	H-2 class I histocompatibility antigen, K-D alpha chain	K.WAAVVVPLGKEQN*YTCHVHHK.G R.RYLELGN*ETLLR.T R.YYN*QSK.G K.GECYYTN*GTQR.I
52	P01921	H-2 class II histocompatibility antigen, A-D beta chain	K.LLNN*LTSIK.I
53	P02468	Laminin subunit gamma-1	K.TAN*ETSAEAYNLLLR.T R.CDQCEENYFYN*R.S R.IASAVQ*KN*ATSTKADAER.T R.IASAVQKN*ATSTK.A R.RIPAIN*R.T R.RVNDN*KTAAEEALR.R R.VN*SSLHSQISR.L R.VNDN*KTAAEEALR.R

			K.LTDTASQ*SN*STAGELGALQAEAESLDK.T
54	P02469	Laminin subunit beta-1	K.LTDTASQSN*STAGELGALQAEAESLDK.T
			K.QADEDIQ*GTQNLLTSIESETAASEETLTN*ASQR.I
			K.QADEDIQGTQN*LLTSIESETAASEETLTN*ASQR.I
			R.VN*ASTTDPN*STVEQSALTR.D
			R.VN*ASTTDPNSTVEQSALTR.D
			R.EAQYN*STFR.V
55	P03987-2	Isoform 2 of Ig gamma-3 chain C region	K.RSN*FTPATNEAPQATVFPK.S
56	P04227	H-2 class II histocompatibility antigen, A-Q alpha chain (Fragment)	K.LSVPDGLKVSN*SSAR.G
57	P04919-2	Isoform Kidney of Band 3 anion transport protein	R.AFVEN*ITVLEN*SLVFK.F
58	P04939	Major urinary protein 3	R.LGN*ETLQR.S
59	P06339	H-2 class I histocompatibility antigen, D-37 alpha chain	K.YRAEFAVAN*DTGFVDIPQQEK.A
60	P06797	Cathepsin L1	K.SLPNN*VTSFEVESLKPYK.Y
61	P06800-2	Isoform 2 of Receptor-type tyrosine-protein phosphatase C	R.AQTN*YTCVAEILYR.G
			K.MN*ASFSLK.S
62	P06802-2	Isoform 1 of Ectonucleotide pyrophosphatase/phosphodiesterase family member 1	K.VYN*GSVPFEER.I
			K.DNSCVDPPHVPN*ATIVTR.T
63	P06909	Complement factor H	K.IQCVDGN*WTTLPVCIEEER.T
			K.LTEFTHN*STMDYK.C
			R.SICIN*GKWDPEPN*CTSK.T
			K.TLGISPFHEFADVVFTAN*DSGHR.H
64	P07309	Transthyretin	K.FN*LTETPEADIHQGFGNLLQSLSQPEDQDQINIGNA
65	P07759	Serine protease inhibitor A3K	K.NLIN*DYVSN*QTQGM#IK.E
			K.YTGN*ASALLILPDQGR.M
			K.AN*HSHSGDYYCK.G
66	P08101-2	Isoform IIB2 of Low affinity immunoglobulin gamma Fc region receptor II	K.ATVN*DSGEYR.C
			K.EDTVTLTCEGTHNPGN*SSTQWFHN*GR.S
			R.YHHYSSN*FSIPK.A
			K.GVVDSDDLPLN*VSR.E
67	P08113	Endoplasmin	K.HNN*DTQHIWESDSN*EFSVIADPR.G
			R.EGSRTDDEVVQREEEAIQLDGLN*ASQIR.E
			K.HGGPADEERHVGDLGN*VTAGKDGVANVSIEDR.V
68	P08228	Superoxide dismutase [Cu-Zn]	R.HVGDLGNVTAGKDGVAN*VSIEDR.V
			R.CEQEASEDLKPALTGN*K.T
69	P08607	C4b-binding protein	R.LACLN*GTVLR.G
			R.LVGSPFIGCTVVN*K.T
			K.CHEGN*GTFECGACR.C
70	P09055-2	Isoform 2 of Integrin beta-1	K.DTCAQECSHFN*LTK.V
			K.KDTCAQECSHFN*LTKVESR.E
			K.LRNPCTSEQN*CTSPFSYK.N

			K.N*GVN*GTGEN*GRK.C
			K.SCGECIQAGPN*CGWCTN*TTFLQEGM#PTSAR.C
			R.KEN*SSEICSN*N*GECVCGQ*CVCR.K
			R.CN*TTQ*GN*EVTSILR.W
71	P09242	Alkaline phosphatase, tissue-nonspecific isozyme	K.TLVLSN*LSYSATKETLEEVFEK.A
72	P09405	Nucleolin	K.HHAAYVNNLN*ATEEKYHEALAK.G
73	P09671	Superoxide dismutase [Mn], mitochondrial	K.GLVSGGVYNSHVGCLPYTIPPCEHHVN*GSRPPCTC
74	P10605	Cathepsin B	K.LM#NAPLYLAEWQN*ITK.N
75	P10852	4F2 cell-surface antigen heavy chain	M.TEN*STSAPAAKPK.R
76	P10922	Histone H1.0	K.LDAPTNLQFVN*ETDR.T
77	P11276	Fibronectin	K.RHEEGHMLN*CTCFGQ*GR.G
			R.DQCIVDDITYNVN*DTFHKR.H
			R.ESNPLTAQQ*TTKLDAPTNLQFVN*ETDR.T
			R.N*YTDCTSEGRR.D
			R.AFNISPN*DTSSGSCGINLVTLK.V
78	P11438	Lysosome-associated membrane glycoprotein 1	R.AFNISPN*DTSSGSCGINLVTLKVENK.N
			R.DATIQAYLSSGN*FSK.E
			R.GYLLTLN*FTKN*TTR.Y
			R.LN*M#TLPDALVPTFSISN*HSLK.A
			R.VYM#KN*VTVVLR.D
			R.YSVQHM#YFTYN*LSDTEHFPNAISK.E
			K.VLNADQGTSATVQM#LLN*DTCPLFVR.G
79	P11609	Antigen-presenting glycoprotein CD1d1	R.CLQM#SSFAN*R.S
			R.WSN*DSATISFTKPWSQGK.L
			K.IYLRN*ESEFR.D
80	P11688	Integrin alpha-5	R.HPGN*FSSLSCDYFAVN*QSR.Q
			R.TEKDPQNDPVGTCYLSTEN*FTR.I
			K.LAEQ*YAKEN*GTK.L
81	P11725	Ornithine carbamoyltransferase, mitochondrial	R.GSYN*LQ*DLLAEDKLPTLLGAEAN*LSNIGDTNPR.
82	P11859	Angiotensinogen	R.VETGEN*CTSPAPK.E
83	P11881-2	Isoform 2 of Inositol 1,4,5-trisphosphate receptor type 1	K.LIPHLEKPLQN*FTLCFR.T
84	P12246	Serum amyloid P-component	R.IAN*ETGGHGSGPR.T
85	P12265	Beta-glucuronidase	R.ITIAIN*NTLTPHTLPPGTIVYK.T
			R.YGIVVIDECPGVGIVLPQSFGN*ESLR.H
			K.VVLLSGVEPRPPTPQVQFTLN*ASSEDHKR.S
86	P13597-2	Isoform 2 of Intercellular adhesion molecule 1	R.GDHGAN*FSCR.T
			R.LDETDCLGN*WTWQEGSQQTLK.C
			R.TELDLRPQGLALFSN*VSEAR.S
			K.LDWLGN*CSGLNDDSYGYR.E
87	P14094	Sodium/potassium-transporting ATPase subunit beta-1	K.YLQPLLAVQFTN*LTVDTEIR.V
			R.VLGFKPKPPKN*ESLETYPLMMK.Y
			K.SGTIFDNFLITN*DEAYAEEFGN*ETWGVTK.A
88	P14211	Calreticulin	K.FLEAGIYEVPIIITDSGNPPKSN*ISILR.V

89	P15116	Cadherin-2	K.RN*WTINR.L
			K.SN*ISILR.V
			R.ILSQAPSTPSPNMFTIN*N*ETGDIITVAAGLDREK.V
			R.N*WTINR.L
			R.VDVIVAN*LTVTDKDQPHTPAWNAAYR.I
			K.EAPYQN*VTEFDGQ*DACGSN*SWTVVDIDPPQR.S
90	P15208	Insulin receptor	K.EAPYQN*VTEFDGQ*DACGSNSWTVVDIDPPQR.S
			K.ECLGN*CSEPDDPTK.C
			K.HN*LTITQGK.L
			R.GLSPGN*YSVR.V
			K.ALAAAGYDVEKN*NSR.I
91	P15864	Histone H1.2	K.AELSN*HTRPVILVPGCLGNR.L
92	P16301	Phosphatidylcholine-sterol acyltransferase	R.QSQPVHLLPMN*ETDHLNMVFSN*K.T
			K.GWLN*GSLVGFYK.T
93	P16406	Glutamyl aminopeptidase	K.IALN*LTM#YLK.S
			K.M#GDREALGN*ASQLFDSWLK.G
			R.VNYEGGTWDWIAEALSSN*HTR.F
			R.YGM#QNSGNEAAWN*YTLEQYQK.T
			K.QETFDAGLQAFQQ*EGIAN*ITALKDQLLAAK.H
94	P16546-2	Isoform 2 of Spectrin alpha chain, non-erythrocytic 1	K.M#YVTN*DTEVAEN*NYEALKDFFR.L
95	P16675	Lysosomal protective protein	R.LDPPCTN*TTAPSN*YLNNPYVR.K
			K.CNSVLTYN*LTPVVQK.Y
96	P17047-2	Isoform LAMP-2B of Lysosome-associated membrane glycoprotein 2	K.EASHYSIHDIVLSYN*TSDSTVFPGAVAK.G
			K.VPFIFNIN*PATTN*FTGSCQPQSAQLR.L
			K.VQPFN*VTK.G
			R.LN*NSQIK.Y
			R.DLGPALAN*SSHDVK.L
97	P17439	Glucosylceramidase	R.RM#ELSVGAIQAN*R.T
			R.VYTYADTPNDFQLSN*FSLPEEDTKLK.I
			K.HTGPGILSM#ANAGPNTN*GSQFFICTAK.T
98	P17742	Peptidyl-prolyl cis-trans isomerase A	K.YYHGELSYLN*VTRK.A
99	P18242	Cathepsin D	K.SQLTISNLDVN*VDPGTYVCN*ATNAQGTTR.E
100	P18572-2	Isoform 2 of Basigin	K.TQLTCSLN*SSGVDIVGHR.W
			K.TSDTGEEEAITN*STEAN*GK.Y
			K.ISEEFLKN*ISASAR.E
101	P18581-2	Isoform 2 of Low affinity cationic amino acid transporter 2	K.GKQADVADQQ*TTELPAEN*GETEN*QSPASEEEKI
102	P18608	Non-histone chromosomal protein HMG-14	R.SRYPHKPEIN*STTHPGADLK.E
103	P19221	Prothrombin	R.WVLTAAHCILYPPWDKN*FTENDLLVR.I
			R.ESQTIGDQCVYN*STHLGFQR.E
			K.KNIQAVNEIIATLSQCN*DTSSAAMVQCLR.Q
104	P21352	Alpha-1-acid glycoprotein 8	K.N*ATSYPPMCSQDAGWAK.I
105	P23953	Carboxylesterase 1C	K.NIQAVNEIIATLSQ*CN*DTSSAAM#VQCLR.Q

			K.N*FTDVHPDYGAR.I
			K.RFN*SANEDN*VTQVR.T
106	P24270	Catalase	R.QTPEYQN*R.S
107	P24638	Lysosomal acid phosphatase	R.YEQLQN*ETR.Q
			R.YHGFLN*TSYHR.Q
			R.EASN*HSSGAGLVQ*INK.S
108	P24668	Cation-dependent mannose-6-phosphate receptor	R.IN*ETHIFNGSN*WIMLIYK.G
			R.LRPLFN*K.S
			R.GSNFN*ISKTDNIEECQK.L
109	P26262	Plasma kallikrein	K.N*YTDNELEK.I
110	P26443	Glutamate dehydrogenase 1, mitochondrial	R.GTTN*TTSAGVPCQR.W
111	P26928	Hepatocyte growth factor-like protein	K.FAVESLVPSSLSLMHSPPDAQN*MSEVSLSPM#EIST
112	P27046	Alpha-mannosidase 2	R.GSPGN*ASQGSIHLHSPQLALQADPR.D
			R.LLAENNEIISNIRDSVIN*LSESVEDGPR.G
			K.NN*ASTDYDLSDK.S
113	P27659	60S ribosomal protein L3	K.LLQVVYLHSNN*ITK.V
114	P28653	Biglycan	R.M#IEN*GSLSFLPTLR.E
			K.LGLSFNSITVMEN*GSLANVPHLR.E
115	P28654	Decorin	R.ISDTN*ITAIPQGLPTSLTEVHLDGNKITK.V
			K.SLDEEAIKEN*N*SIHWK.R
116	P28665	Murinoglobulin-1	K.SLGN*VN*FSVSAEAQQ*SSEPCGSEVATVPETGRK
			R.ETETGCREVNSQLDNN*GCSTQ*EVN*ITELQSK.K
			R.EVNSQLDNNGCSTQ*EVN*ITELQSKK.R
			R.N*ASFVYTK.A
			K.EVN*SKLDN*N*GCSTQEVN*ITELQSK.K
117	P28666	Murinoglobulin-2	R.CPTN*NTCCK.L
118	P28798	Granulins	K.KLDFIVLN*ETR.F
119	P28843	Dipeptidyl peptidase 4	R.N*STVM#SR.A
			R.QLITEEKIPN*N*TQWITWSPEGHK.L
			R.YM#GLPIPEDNLDHYRN*STVMSR.A
			K.VVCDEN*GSK.G
120	P29341	Polyadenylate-binding protein 1	K.SAEGTFFIN*K.T
12	P29416	Beta-hexosaminidase subunit alpha	R.N*TTISVHPSTR.L
122	P29533-2	Isoform 2 of Vascular cell adhesion protein 1	R.CPLLTPFN*DTN*VVHTVN*TALAAFNTQN*N*GTY
123	P29699	Alpha-2-HS-glycoprotein	R.RPFGVVYEM#EVDTLETTCHALDPTPLAN*CSVR.Q
			R.N*ISEGFSGIPDNVDAAFALPAHR.Y
124	P29788	Vitronectin	R.VLNN*ITNDLR.L
125	P30204-2	Isoform II of Macrophage scavenger receptor types	
126	P31428	I and II	R.RN*WTETEVR.G
		Dipeptidase 1	K.AN*DSMN*VTSEN*ATSPVIEFWER.R
127	P31649	hloride-dependent GABA transporter 2	R.GVSSSEN*FTSPVM#EFWER.R
128	P31651	Sodium- and chloride-dependent betaine transporter	K.GN*TTAIDKEIAR.F
129	P31809-2	Isoform Short of Carcinoembryonic antigen-related	K.LSEGN*RTLTLLN*VTR.N
		cell adhesion molecule 1	K.LSEGN*RTLTLLN*VTRN*DTGPYVCETR.N

			R.EIIYSN*GSLLFQMITMK.D
			R.FVPNSNM#N*FTGQAYSGR.E
			R.M#TLSQ*N*N*SILR.I
			R.N*DTGPYVCETR.N
			R.TLTLLN*VTR.N
			R.TTVKN*ITVLEPVTQPFLQVTN*TTVK.E
			R.FHVHQPVTQ*PFLQVTN*TTVK.E
130	P31809-3	Isoform 3 of Carcinoembryonic antigen-related cell adhesion molecule 1	K.HSVN*NTYSQFQDEYSLEEVMK.S
131	P32020	Non-specific lipid-transfer protein	K.LGACN*DTLK.Q
132	P32261	Antithrombin-III	K.SLTFN*ESYQDVSEVVYGAK.L
			R.VTINN*WVAN*KTEGR.I
			R.MVN*TTFICTATNAVGTGR.A
133	P32507-2	Isoform Alpha of Poliovirus receptor-related protein 2	K.EILVHPN*YTR.S
134	P33587	Vitamin K-dependent protein C	R.IVN*GTLTK.Q
			R.QN*FSN*LTVSTEDQVK.A
135	P34927	Asialoglycoprotein receptor 1	R.SLSCQMAAFRGN*GSER.T
			K.VVN*STTGPGEHLR.N
136	P35441	Thrombospondin-1	K.IVPCEFGVLYPLAEN*FSR.I
137	P35737	Class II histocompatibility antigen, M beta 1 chain	R.IAVDWESLGYN*ITR.C
138	P35822	Receptor-type tyrosine-protein phosphatase kappa	R.KNAN*CSIEESFQR.F
139	P38060	Hydroxymethylglutaryl-CoA lyase, mitochondrial	R.DGQQN*ISLLYTEPGASQTQTGASFR.L
140	P39061-1	Isoform 2 of Collagen alpha-1(XVIII) chain	R.SSEPVREDSSGMHHEN*Q*TYPPYSPQAQPQAIHR.I
141	P39447	Tight junction protein ZO-1	K.CCGWVSHYN*WTENEELMGFTK.T
142	P40237	CD82 antigen	K.EMGN*TVMDIIRN*YTAN*ATSSR.E
			K.KGFCEADN*STVSENN*PEDWPVNTEGCMEK.A
			K.LQDFLVDN*ETFSGFLQHN*LSLPR.S
143	P41233	ATP-binding cassette sub-family A member 1	K.TADILQN*LTGR.N
			R.EAFN*ETNQAIQTISR.F
			R.N*ISDYLVK.T
			R.YPTPGEAPGVVGNFN*K.S
			K.ILSYN*VSCSLN*EETQSVLEIFDPQHR.A
144	P42703-2	Isoform 2 of Leukemia inhibitory factor receptor	R.IEGLTN*ETYR.L
			R.KVPSN*STETVIESDQFQPGVR.Y
			R.LGVQMHPGQEIHN*FTLTGR.N
			R.NPLGQAQSAVVIN*VTER.V
			K.AVISMLN*ETMNEAPEETK.I
145	P43006-2	E Isoform Glt-1A of Excitatory amino acid transporter 2	K.VLVAPPSEEAN*TTK.A
			R.LSCAFKTEN*QTR.Q
146	P43406	Integrin alpha-V	R.TAADATGLQPILNQFTPAN*VSR.Q
			K.VMSWWDYGYQITAM#AN*R.T
147	P46978	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	R.DFVN*ASSKYEVTTIHNLFR.K

148	P49182	Heparin cofactor 2	K.QSN*GSIAVISSLAGK.M
149	P50172	Corticosteroid 11-beta-dehydrogenase isozyme 1	K.LGIYADVGN*K.T
150	P51569	Alpha-galactosidase A	K.AFEN*VTDLQWLILDHNLLENSK.I
151	P51885	Lumican	K.KLHINYNN*LTESVGPLPK.S
			K.LGSFDGLVN*LTFIYLQ*HNQLKEDAVSASLK.G
			R.LSHNELADSGVPGN*SFN*ISSLLELDLSYNK.L
			K.HAN*WTLTPLK.V
152	P52430	Serum paraoxonase/arylesterase 1	K.KYHDYYITSTSN*GSLEGLENR.E
153	P52795	Ephrin-B1	R.LN*FSHGSHEYHAESIANIR.E
154	P53657	Pyruvate kinase PKLR	K.TGVHDGDFEYN*ITTTLAAINK.I
155	P54751	Inhibin beta C chain	R.ERKPNN*LSDTVK.E
			R.KTGVHDGDFEYN*ITTTLAAINK.I
			R.RETLLEHDQRQ*EEYEIISFADTDLSSIN*QTR.L
156	P55104	Alpha-2-macroglobulin receptor-associated protein	R.VIDLWDLAQSAN*FTEK.E
157	P55302	Ectonucleoside triphosphate diphosphohydrolase 1	K.VVN*VSELYGTPCTK.R
158	P55772	ADP-ribosyl cyclase 1	K.GAFVSKNPCN*ITR.E
159	P56528	Cytochrome P450 2A12	K.LVTQTIPCN*K.T
			K.QN*QSTLDPNSPR.D
160	P56593	Nicastrin	K.IYIPLN*K.T
161	P57716		R.AN*NSWFQSILK.H
			R.KIYIPLN*K.T
			R.LLN*ATHQIGCQSSISGDTGVIHVVEKEEDLK.W
			R.N*ISGVVLADHSGSFHNR.Y
			R.SKN*LTIVELPDEVIVPR.G
162	P57757	Cystinosin	K.NN*DSTLN*NSATTLIIGLQDCR.R
163	P58735	Sulfate anion transporter 1	R.VFPYISAMVNN*GSLSYDHER.D
164	P59481	VIP36-like protein	K.AFAMIIDKLEEDIN*SSM#TNSTAASRPPVTLR.L
165	P60335	Poly(rC)-binding protein 1	R.EKAN*GTTVHVGIHPSK.V
166	P61255	60S ribosomal protein L26	K.EKKEEQVISLGPQ*VAEGEN*VFGVCHIFASFN*DTF
167	P62264	40S ribosomal protein S14	R.TEGAIDDSLIGGN*ASAEGPEGEGTESTVVTGVDIVI
168	P63028	Translationally-controlled tumor protein	K.LVQ*DVAN*N*TN*EEAGDGTTTATVLAR.S
169	P63038	60 kDa heat shock protein, mitochondrial	K.KHPDASVN*FSEFSK.K
170	P63158	High mobility group protein B1	K.SSTEN*TSAELHVLGR.G
171	P70194	C-type lectin domain family 4 member F	K.YQMDN*VSSLVQLLGSHLEDVNADILQTK.D
			R.GSLQSANDLSSQTQGFLQ*HSMDN*ISAQIQTVR.D
			R.LRDYEEN*SSSCHK.E
			K.TVTSATAN*KTAEPSEAHSHHK.H
172	P70274	Selenoprotein P	R.CGNCN*LTSLEDEDFCK.T
			R.LAVTN*TTM#TGTVLK.M
173	P70302	Stromal interaction molecule 1	K.TLN*WSAAEPGAWATK.V
174	P70387	Hereditary hemochromatosis protein homolog	R.CQALDFFPQN*ITMR.W
			R.FVQTVCEGDDCQ*PVYTYN*N*ITCAGPANVSGLDI
175	P70389	Insulin-like growth factor-binding protein complex acid labile subunit	R.N*LTQLPDGIPVSTR.A
			K.N*SSDYGFPEIR.W

176	P70665-2	Isoform 2 of Sialate O-acetylesterase	R.AVAYGEKN*LTFQGPLPK.K
			R.EVTVLGVATAPTQVLSN*GIPVSN*FTYSPDNK.S
177	P70699	Lysosomal alpha-glucosidase	R.GVFITN*ETGQPLIGK.V
			R.LEN*LSSTESGYTATLTR.T
			R.QVVEN*M#TR.T
			K.VYVGNLGNNGN*KTELER.A
178	P84104-2	Isoform Short of Serine/arginine-rich splicing factor 3	R.DTYVN*ASQSLYGSSPR.V
179	P97290	Plasma protease C1 inhibitor	K.AN*ATIEVK.A
180	P97300-1	Isoform 1 of Neuroplastin	R.KKEN*GVFEEISN*SSGR.F
			R.KN*ASNM#EYR.I
			R.GVDVSQ*VTWQ*SQGDTPCSCCIVNNSN*GSR.T
181	P97328	Ketohexokinase	K.EGFSAN*YSVLQSSISEDFK.C
182	P97333	Neuropilin-1	K.IAYSNN*GSDWK.T
			K.RGPECSQN*YTAPTGVIK.S
			K.EEN*ATIATYPEFGVLDLK.Y
183	P97370	Sodium/potassium-transporting ATPase subunit beta-3	K.LVEDLESFLKPYSVEEQ*KN*LTSCPDGAPFIQHGPI
			R.N*SSYVHGGVDASGKPQ*EAVYGQN*DIHHK.V
184	P97379-2	Isoform B of Ras ing protein-binding protein 2	K.KLN*YTLK.G
185	P97449	Aminopeptidase N	K.NPNN*NTIHPNLR.S
			K.QVTPLFFYFQN*R.T
			K.SGQEDHYWLDVEKN*QSAK.F
			K.SN*VTRPSEFN*YIWIAPIPFLK.S
			R.FTCN*QTTDVIIIHSK.K
			R.N*ATLVNEADKLR.S
			R.VILRPYLTPNNQGLYIFQGN*STVR.F
			R.QQCLEEAQLEN*ETTGCSK.M
186	P97751	Vasoactive intestinal polypeptide receptor 1	K.SGDASIN*VTNLQLSDIGTYQCK.V
187	P97792-2	Isoform 2 of Coxsackievirus and adenovirus receptor homolog	R.GIAN*LSNFIR.V
188	P97797-2	Isoform 2 of Tyrosine-protein phosphatase non-receptor type substrate 1	R.TLSDVPSAAPQN*LSLEVR.N
189	P97798-2	Isoform 2 of Neogenin	R.ILTN*NSQTPILSPQEVVSCSPYAQ*GCDGGFPYLIAC
190	P97821	Dipeptidyl peptidase 1	K.LSN*LSNLSHDLVQEATDHAYNLQQEADELSR.N
191	P97927	Laminin subunit alpha-4	K.RPASN*ISASIQR.I
192			R.DAVRN*LTEVVPQLLDQLR.T
			R.HVTDMN*STIHLLR.T
			R.N*LTEVVPQLLDQLR.T
			R.FGYILHTDN*R.T
193	P98064-2	Isoform 2 of Mannan-binding lectin serine protease 1	R.NN*LTTYK.S
			K.VLTNQESPYQN*HTGR.F
194	P98086	Complement C1q subcomponent subunit A	R.EQVTVIN*R.T
195	Q00560	Interleukin-6 receptor subunit beta	R.GSN*FTAICVLK.E
			K.GDTHTQILEGLQ*FN*LTQTSEADIHK.S

196	Q00896	Alpha-1-antitrypsin 1-3	K.DTLSIN*ATNIK.H
197	Q01279	Epidermal growth factor receptor	K.TCPAGIMGEN*NTLVWK.Y
			R.DCVSCQN*VSR.G
			R.DIVQNVFMSN*MSMDLQSHPSSCPK.C
			R.EFVENSECIQCHPECLPQAMN*ITCTGR.G
			R.GNALYEN*TYALAILSNYGTN*R.T
			K.CLPHFAMIGNDTVMCTEQ*GN*WTRLPECLEVK.C
198	Q01339	Beta-2-glycoprotein 1	K.DYRPSAGN*NSLYQDTVVFK.C
			R.YTSFEYPKN*ISFACNPGFFLN*GTSSSK.C
			R.M#ALLQYGSQNQQQVAFPLTYN*VTTIHEALER.A
199	Q02788	Collagen alpha-2(VI) chain	R.N*M#TLFSDLVAEK.F
			R.RGTFTDCALAN*M#TQQIR.Q
			K.DN*DSLITR.K
200	Q03311	Cholinesterase	R.RVN*YTR.A
			K.GNTLEEILEGLKFN*LTETSEADIHQGFGHLLQR.L
201	Q03734	Serine protease inhibitor A3M	K.LINDYVSN*QTQGMIK.K
			K.YTGN*ASALFILPDQ*GR.M
			K.EN*YAELLDDGFLKN*ITAQ*ICIDKK.C
202	Q04857	Collagen alpha-1(VI) chain	R.RN*FTAADWGHSR.D
			K.GVN*VTM#PSQ*PGVPPLSSTQLQIDPALQEFQ*LVI
203	Q05793	Basement membrane-specific heparan sulfate proteoglycan core protein	K.LTVPSSQN*SSFR.L
			R.ALVN*FTR.S
			R.SLTQGSLIVGNLAPVN*GTSQGK.F
			K.FSM#SDTYDLQ*DVLADVGIKDLFTN*Q*SDFADTT
204	Q06770	Corticosteroid-binding globulin	R.GSTQYLENLGFN*M#SK.M
			K.AFPEVCN*ETMMALWEECKPCLK.H
205	Q06890	Clusterin	R.QELN*DSLQVAER.L
			K.ISTN*ITLVCKPGDLESAPVLR.A
206	Q07113	Cation-independent mannose-6-phosphate receptor	K.MN*YTGGDTCHK.V
			K.SLSPHAGTEPCPPEAAVCLLN*GSKPVNLGK.V
			R.AGIN*ASYSEK.G
			R.SLLEFN*TTMGCQPSDSQHR.I
			R.TQYACPPFN*VTECSVQ*DAAGNSIDLSSLSR.Y
			K.ALAAAGYDVEKN*NSR.I
207	Q07133	Histone H1t	K.QQ*WITPFTN*GDKIGCFALSEPGN*GSDAGAASTT/
208	Q07417	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	K.KEDSCQLN*YSEGPCLGMQER.Y
209	Q07456	Protein AMBP	K.APIPTALDTN*SSK.T
210	Q07797	Galectin-3-binding protein	K.GLN*LTEDTYKPR.L
			K.YKGLN*LTEDTYKPR.L
			R.ALGYEN*ATQALGR.A
			R.KEQETCLAPELEHGN*YSTTQR.T
211	Q07968	Coagulation factor XIII B chain	R.LDQ*GELLDLSCSVSGTPVAN*FTIQ*KEETVLSQYC
212	Q08481-4	Isoform 4 of Platelet endothelial cell adhesion	

		molecule	K.RPYIVPILWLN*ETGTIGDEK.A
213	Q08857	Platelet glycoprotein 4	K.VFN*GKDN*ISK.V
			K.VISNN*CTSYGVLDIGK.C
			R.QFWIFDVQNPDDVAKN*SSK.I
			R.IKEQVVGLLAQNN*CSCESK.G
214	Q09200	Beta-1,4 N-acetylgalactosaminyltransferase 1	K.LLPAFN*TTSGLPYPR.I
215	Q2HXL6	ER degradation-enhancing alpha-mannosidase-like protein 3	R.LTNEAHKEN*CTGR.L
216	Q2VLH6-2	Isoform 2 of Scavenger receptor cysteine-rich type 1 protein M130	R.GSEVEDEDLELFN*TSVQ*LRPPSTAPGPETAAFIER.
217	Q3TAS6-2	Isoform 2 of ER membrane protein complex subunit 10	R.LEDGFHPDAVAWAN*LTN*AIR.E
218	Q3TCN2	Putative phospholipase B-like 2	R.SDLNPAN*GSYPFQALHQR.A
			K.AM#SSN*ETAAYK.I
219	Q3TDQ1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B	R.TTLVDNNTWN*NSHIALVGK.A
			R.VMSWWDYGYQIAGM#AN*R.T
			K.FGEFGN*YSLLVQHASSGANK.I
220	Q3UDW8-2	Isoform 2 of Heparan-alpha-glucosaminide N-acetyltransferase	K.GVLPGEDWTVFQSN*HSTYEPVLLAK.T
221	Q3UHN9-2	Isoform 2 of Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1	R.KEN*SSYQVINWR.L
222	Q3UP75	UDP-glucuronosyltransferase 3A1	K.AHFSSLN*LTIR.G
223	Q3V3R4	Integrin alpha-1	K.HFFN*VSDELALVTIVK.A
			K.LDLPVN*TSIPNVTEIK.E
			K.LDLPVN*TSIPNVTEIKEN*MTFGSTLVTNPK.G
			K.QTQVGIVQYGAN*VTHEFNLNK.Y
			K.SIASEPTEKHFFN*VSDELALVTIVK.A
			K.VYVYAVN*QTR.F
			R.GELQSEN*SSLTLSSSNR.K
			R.GN*LSTEKFVEEIK.S
			R.SQNDKFN*VSLTVK.N
			R.TVVQYSPNLIFSGIEEIQKDSCESNQN*ITCR.V
			R.YN*HTGQVVIYK.M
			K.HLLEN*ATASVSEAERK.A
224	Q4PZA2-2	Isoform A of Endothelin-converting enzyme 1	K.LGGWN*ITGPWAK.D
			K.LLGGGDEDAIRPQM#QQILDFETALAN*ITIPQEK.R
			K.NSNSNVIQVDQ*SGLGLPSRDYYLN*KTENEK.V
			R.ACMN*ETRIEELR.A
			R.DYYLN*KTENEK.V
			R.FFN*FSWR.V
			R.QVSTLIN*NTDK.C
			K.TGEAN*LTQLYTQEALDFIQTQHAR.Q
225	Q571E4	N-acetylgalactosamine-6-sulfatase	R.KTGEAN*LTQLYTQEALDFIQTQHAR.Q
226			R.GDPSIISVN*GTDFTFR.S

227	Q5FWI3	Transmembrane protein 2	R.VLENEKFDTHEYHN*ESR.R
			K.VLQVVN*VTK.T
228	Q5PT54	Sodium/bile acid cotransporter 5	K.ESDTKNEVN*GTSEDIKSEGDTQ*SN.
229	Q5SUF2	Luc7-like protein 3	K.IDASKNEEDEGHSN*SSPR.H
230	Q60668-3	Isoform 3 of Heterogeneous nuclear ribonucleoprotein D0	R.HNPSN*QSYTLSGTK.T
231	Q60759	Glutaryl-CoA dehydrogenase, mitochondrial	K.LLPPVAFN*HTIGHIVLSEHK.N
232	Q60805	Tyrosine-protein kinase Mer	R.SDN*GSYFCK.M
			K.EAGN*ITTDGYEILGK.L
233	Q60847-2	Isoform 2 of Collagen alpha-1(XII) chain	K.TKSENGLEFTSSGSANTETTKVN*GSLETK.Y
234	Q60932-2	Isoform Mt-VDAC1 of Voltage-dependent anion-selective channel protein 1	R.EALNQAVN*TTR.E
235	Q61001	Laminin subunit alpha-5	R.LHRLN*ASIADLQSK.L
			R.LLLGGLPVSGTFHN*FSGCISNVFVQR.L
			R.LN*VTSPDLFR.L
236			R.QLLAN*SSALEETILGHQGR.L
			K.EHSLFLDIHPVTGIPMN*CSVK.M
237	Q61009	Scavenger receptor class B member 1	K.IDYWHSEQCN*MIN*GTSGQ*MWAPFM#TPESSLEF
			K.LTYN*ESR.V
			R.ESGIQN*VSTCR.F
			R.FTAPDTLFAN*GSVYPPN*EGFCPCRESGIQN*VSTC
			R.FTAPDTLFAN*GSVYPPNEGFCPCR.E
			R.QKVN*ITFN*DN*DTVSFVEN*R.S
			R.NFQCVN*ASVLNYDCDIQGK.C
238	Q61072	Disintegrin and metalloproteinase domain-containing protein 9	K.FN*VSLIYGR.T
239	Q61129	Complement factor I	K.FSHN*GTCAAEGK.F
			R.WGEVDLIGN*CSQFYPDRYYEK.E
			K.ELHHLQEQN*VSNVFLDKEEFFIGSK.Y
240	Q61147	Ceruloplasmin	K.EYEGAVYPDN*TTDFQR.A
			K.LKETEYDVRDHGDLAFVDVPN*DSSFQIVK.N
241	Q61176	Arginase-1	K.DN*ATQEEILHYLEK.T
242	Q61207	Sulfated glycoprotein 1	K.FSELIVNN*ATEELLVK.G
			K.LVLYLEHNLEKN*STKEEILAALEK.G
			K.N*STKEEILAALEK.G
			K.TN*SSFIQGFVDHVKEDCDR.L
			R.AQAALDKAN*ASR.G
243	Q61292	Laminin subunit beta-2	R.SCIN*ESAIDSR.G
244	Q61391	Neprilysin	K.EGDN*ITLQ*CLGN*GN*PPPEEFMFYLPGQPEGIR.S
245	Q61490	5'-nucleotidase	K.IIISPEEN*VTLTCTAENQLER.T
			K.N*AIKEGDN*ITLQ*CLGNGN*PPPEEFMFYLPGQPE
			R.DSYPDGN*ITWYR.N
			R.DSYPDGN*ITWYRN*GK.V
			R.LSLSEN*YTLSIANAK.I

			R.TVNSLN*VSAISIPEHDEADDISDENREK.V
			K.VEFDDKGNVITSYGNPILLN*SSIPEDATIK.A
246	Q61503	Isoform Short of Extracellular matrix protein 1	R.IKLDN*YSTQELGR.T
			R.NVALVAGDTGN*ATGLGEQGPTR.G
247	Q61508-2	Golgi apparatus protein 1	K.LN*LTTDPK.F
248	Q61543	Fibrillin-1	R.GN*ITEYQ*CHQYITK.M
249	Q61554	IgG receptor FcRn large subunit p51	K.AWGTPCELCPSVN*TSEYK.I
250	Q61559	Haptoglobin	K.ILN*GTYTLQ*GLLGCELASDN*SSVPTAVFALN*GI
			K.N*LTSPVGVQPILNEHTFCAGLTK.Y
			K.NLFLN*HSETASAK.D
			K.VVLHPN*HSVVDIGLIK.L
			K.YVM#LPVADQDKCVVHYEN*STVPEKK.N
251	Q61646	Inter-alpha-trypsin inhibitor heavy chain H1	R.AN*LSSQVLK.M
252	Q61702		K.GDEKEN*ITAEALDLSLK.Y
253	Q61704	Inter-alpha-trypsin inhibitor heavy chain H3	K.NAKGDEKEN*ITAEALDLSLK.Y
			K.SYIFIYDGNKN*STTTDQN*FTSAK.I
254	Q61735-2	Isoform 2 of Leukocyte surface antigen CD47	R.DAM#VGN*YTCEVTELSR.E
			R.DSGRGDSVSDN*GSEAVR.S
255	Q61823	Programmed cell death protein 4	K.WECKN*DTLFGIK.G
256	Q61830	Macrophage mannose receptor 1	R.TSYCN*ESFYFLCK.K
257	Q61838	Alpha-2-macroglobulin	K.CFANKVN*LSFPSAQSLPASDTHLK.V
			K.SLGEVN*FTATAEALQSPELCGNK.L
			K.VN*LSFPSAQSLPASDTHLK.V
			R.IN*VSYTGERPSSNMVIVDVK.M
			R.VVSVDISFRPLN*ETFPVVYIETPKR.N
			K.GVN*ETLLVNELK.S
258	Q62009-2	Isoform 2 of Periostin	K.YVYVADILAHEIHVLEKQPNM#N*LTQLK.V
259	Q62086	Serum paraoxonase/arylesterase 2	R.VSTLYANN*GSVLQGSTVASVYHK.R
260	Q62087	Serum paraoxonase/lactonase 3	R.LIN*LTFLDLTR.C
261	Q62192	CD180 antigen	K.AN*TSLELLLEGVR.V
262	Q62230-3	Isoform 3 of Sialoadhesin	R.RQPEKTDAELN*ETARPLSPVNPK.L
263	Q62313	Trans-Golgi network integral membrane protein 1	R.QKN*ITAFN*ETLFR.N
264	Q62351	Transferrin receptor protein 1	K.SLN*CTVK.T
265	Q62452	UDP-glucuronosyltransferase 1-9	R.VWN*STFIEDYKDFDR.V
266	Q62470-2	Isoform 2 of Integrin alpha-3	K.CN*VSN*THTSHCLASGEVMVNTLGDLQGN*GK.G
267	Q63836	Selenium-binding protein 2	K.KNVN*ISYTVN*DSFFPQRPQK.L
268	Q63880	Carboxylesterase 3A	K.EN*VTATLVELGR.T
269	Q63886	UDP-glucuronosyltransferase 1-1	R.KLN*ASIVTSFVELPLVSN*VSLR.A
270	Q63961	Endoglin	R.VN*ITVLPSLTSR.K
			K.N*ATSYPPM#CFQ*DPVTGQIVN*DLLTNRK.E
271	Q64176	Carboxylesterase 1E	K.N*TTSAAMVHCLR.Q
			K.TN*STQVSDVR.A
272	Q64455	Receptor-type tyrosine-protein phosphatase eta	R.GPDGTEGLSSTVN*GSTDPSAVTDIR.V
			R.KQ*EEFDIANN*GSSQANK.L

273	Q64514-2	Isoform Short of Tripeptidyl-peptidase 2	K.DIMDYYKDTTGSHTFQGMFGCEITNN*R.S
274	Q64726	Zinc-alpha-2-glycoprotein	R.YLN*YSR.S
			K.CTPPPYVENAVMLSEN*R.S
275	Q64735-2	Isoform 2 of Complement component receptor 1-like protein	R.IN*YTCN*QGYR.L
			K.SVN*ESLN*N*LFITEEDYQALR.T
276	Q68FD5	Clathrin heavy chain 1	K.CIPVLEAQEYIAN*VTSSPSSR.F
277	Q6DVA0	LEM domain-containing protein 2	R.VTNSNANAAGPLIVAGYN*VSGSVR.S
278	Q6GQT9	Nodal modulator 1	K.IFIFN*QTGIEAK.K
279	Q6P6J9	Thioredoxin domain-containing protein 15	K.VNCEERN*VTGLEN*FTLK.I
			R.ENLFGLQ*GAGGFQ*DREEEYYAEPGVTEAEPVATI
			R.FSTELGYN*GTR.H
280	Q6PEM8	Proton-coupled folate transporter	K.DITNLIN*NTFIR.T
281	Q6PHU5-2	Isoform 2 of Sortilin	K.IDLTDFEKN*SSFAQYQSFK.V
282	Q71KU9	Fibrinogen-like protein 1	K.EGPRN*LSTCFSSGDLFAAHN*LSER.S
283	Q75N73	Zinc transporter ZIP14	K.SLLDHLHVGVGRDN*VSQPK.E
			R.YGKN*DSLTLTQLK.S
			K.EGPRN*LSTCFSSGDLFAAHN*LSER.S
284	Q75N73-2	Isoform 2 of Zinc transporter ZIP14	K.SLLDHLHVGVGRDN*VSQPK.E
			R.YGKN*DSLTLTQLK.S
			K.SEN*ESLPEPKEESKEGR.S
285	Q78IK4	Apolipoprotein O-like	K.MN*ITSIAPLLEK.L
286	Q7TN73	CAS1 domain-containing protein 1	K.QVALQTFGN*QTSIIPAGGAGYK.V
287	Q80V26	Inositol monophosphatase 3	K.AIN*ASAN*ITSDGVEVLGR.M
288	Q80X19-2	Isoform 2 of Collagen alpha-1(XIV) chain	K.VVDKGN*GSKPTSPEEVK.F
			R.SFM#VN*WTQSPGKVEK.Y
			R.LNN*ITNIGPLDMK.Q
289	Q80X71	Transmembrane protein 106B	K.TPMTN*SSIR.F
290	Q8BFR4	N-acetylglucosamine-6-sulfatase	R.GPGIKPN*QTSK.M
			K.ELGAIIYN*CSNLAQDLEK.T
291	Q8BG07-2	Isoform 2 of Phospholipase D4	R.N*ISVVVATHSPTLAK.T
292	Q8BGQ4-2	Isoform 2 of Protein O-mannosyl-transferase 2	R.FSGAN*DTDFR.V
			R.LSGNSLHN*ASIPEHLAYGSVITVK.N
			R.NIGN*TSEGPR.C
293	Q8BGT0	Osteopetrosis-associated transmembrane protein 1	K.GHQ*N*GSVAAVN*GHTN*SFPSLENSVKPR.K
294	Q8BHI7	Elongation of very long chain fatty acids protein 5	R.TGN*SSPASVER.E
295	Q8BI84	Melanoma inhibitory activity protein 3	
			R.NFVIN*MTCR.F
296	Q8BJ83-2	Isoform 2 of TM2 ing protein 3	R.YFAN*CTVR.D
			K.ALSPN*STISSAPK.D
297	Q8BJS4-2	Isoform 2 of SUN domain-containing protein 2	R.N*STTPLWR.T
298	Q8BJU2	Tetraspanin-9	R.IVAN*LSGCAAVNSETLM#CCLR.G
299	Q8BK48	Pyrethroid hydrolase Ces2e	R.N*STIQAANLAGLK.I
	Q8BM72	Heat shock 70 kDa protein 13	R.WLN*ETQLK.L
300	Q8BM88	Cathepsin O	R.YPAEGQRPIPN*VSLPLR.F

			R.KYESAYGTQFTPCQLLLDHAN*NSSKK.F
301	Q8BMS1	Trifunctional enzyme subunit alpha, mitochondrial	R.AQEHQEPAESALKGETGALHAN*TSGSPSVR.E
302	Q8BMS4	Hexaprenyldihydroxybenzoate methyltransferase, mitochondrial	R.SPGAQ*DN*VSVSQGMR.A
303	Q8BS35-2	Isoform 2 of Alkylglycerol monooxygenase	K.GGGGN*SSSSGSGSGSGSGSPSTGSSGSSSSPGAR.R
304	Q8BSY0	Aspartyl/asparaginyl beta-hydroxylase	K.HFSESN*DKDPFWWN*GAEPIWVTNQLQEN*R.S
305	Q8BTJ4-2	Isoform 2 of Bis(5'-adenosyl)-triphosphatase enpp4	K.IN*VTEVYDKLKR.C
			R.LIDLDSCIDRSN*YSVIDLTPVAAILPK.I
			R.SN*YSVIDLTPVAAILPK.I
			R.VAQPGINYALGTN*TSYPNNLLR.N
306	Q8BWP8-2	Isoform 2 of N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase	K.N*LTEEKANLIASVLAQIPQK.V
307	Q8BWQ1	UDP-glucuronosyltransferase 2A3	K.DGTVTAGN*ASGVSDGAGAVIIASEDAVK.K
308	Q8BWT1	3-ketoacyl-CoA thiolase, mitochondrial	R.TVN*VSVPK.K
309	Q8BXA5	Cleft lip and palate transmembrane protein 1-like protein	K.SQVFYTN*CSCVAGN*GTVPAGSCESACSR.L
310	Q8BXB6	Solute carrier organic anion transporter family member 2B1	R.LFQN*CSELYK.A
311	Q8BXN9-2	Isoform 2 of Transmembrane protein 87A	K.LVAIAVIDEKN*TSLEHTR.L
312	Q8BXZ1	Protein disulfide-isomerase TMX3	K.FLSYN*VTR.R
313	Q8BYB9	PGLT1_MOUSE Protein O-glucosyltransferase 1	R.ALENYEPCSSQ*N*CSCYHGVIEEDLTPFR.G
			K.APDSN*SSSLLITTR.Q
314	Q8BYI8-2	Isoform 2 of Uncharacterized protein KIAA1467	K.HLN*ASNPSEPATIIFTAAR.E
315	Q8BYU6	Torsin-1A-interacting protein 2	K.SQNTN*M#SDSGCRDPVGDSQNVLENDPSINSQTQI
			R.KPILGHYKPDTLAVVIEN*GTSIDR.Q
316	Q8C0Z1	Protein ITFG3	R.SCADEGFSTPCAFVVAVSGAN*GSVLWERPVAQ*D
			K.QVEILEYPYHEQIAVVAPEPLLTGHN*YTLK.I
317	Q8C129	Leucyl-cystinyl aminopeptidase	R.KDSLN*SSHPISSSVQ*SSEQIEEMFDSLSYFK.G
			K.GAIQIPTVSFSHEESN*TTALAEFGEYIRK.A
318	Q8C165	Probable carboxypeptidase	K.GALDLM#LQVN*M#TPGHSSAPPK.E
			R.HYAN*ITN*GMYR.F
			K.VAGLLVLN*YSN*DYNHWLATK.S
319	Q8C196	Carbamoyl-phosphate synthase [ammonia], mitochondrial	R.SSDDLEEN*SSEHKVPSR.T
320	Q8C5W0-2	Isoform 2 of Calmin	K.LGN*FSELATHN*QTFLK.K
321	Q8C6K9-2	Isoform 2 of Collagen alpha-6(VI) chain	R.DLSVFAPN*M#TEIIKDVTQYR.E
			R.DLSVFAPN*MTEIIK.D
			R.FINYN*QTVSR.M
322	Q8C7X2-2	Isoform 2 of ER membrane protein complex subunit 1	K.KITAN*STWEPDKAK.Y
323	Q8CG14	Complement C1s-A subcomponent	R.N*CGVN*CSGDVFTALIGEISSPNYPNPYPENSR.C
			R.EAGLPPNIIQFVPADGPTFGDTVTSSEHLCGIN*FTGS
324	Q8CHT0	Delta-1-pyrroline-5-carboxylate dehydrogenase,	

		mitochondrial	K.GVQIIVFPEDGIHGFN*FTR.T
325	Q8CIF4	Biotinidase	R.FN*DTEVLQR.L
			R.VSQ*VLHEGGHN*VTK.L
326	Q8JZZ0	UDP-glucuronosyltransferase 3A2	R.SLGQFLSTEN*ATIK.L
327	Q8JZZ7-2	Isoform 2 of Latrophilin-2	K.GTAGNALM#DGASQLVGEN*R.T
328	Q8K0E8	Fibrinogen beta chain	K.YKGTAGNALM#DGASQLVGEN*R.T
			R.SLFN*FSSCK.G
329	Q8K0L2-2	Isoform 2 of Ectonucleoside triphosphate	
		diphosphohydrolase 8	R.AAGVLEDVYN*R.T
330	Q8K0R6	Glycolipid transfer protein domain-containing	R.AAGVLEDVYN*RTQGLLAGHGLLQLA.-
		protein 2	R.YHSQTYGN*GSK.C
331	Q8K2C7-2	Isoform 2 of Protein	K.LIFDGVDTVAEILFNN*VTIGK.T
332	Q8K2I4	Beta-mannosidase	R.TSLLVIN*NTESNIEDFLQSLK.H
333	Q8K441	ATP-binding cassette sub-family A member ATP-	K.NYN*FTLACNTKR.L
334	Q8K442	binding cassette sub-family A member 8-A	R.KILASPN*EEN*M#TELISM#R.F
			R.N*ATSVDSGAPGGAAPGGPGFR.A
335	Q8K4G1-2	LTBP4_MOUSE Isoform 2 of Latent-transforming	K.DLQDLHKDTEN*R.T
336	Q8K4Q8	growth factor beta-binding protein 4	R.HTDDLTSLN*NTLVNIR.L
			K.TVAN*LSGCEATDSEALIHCLR.A
337	Q8QZR3	Collectin-12	K.TVFQ*KEN*GTITAAN*ASTLNDGAAALVLMTAEA.
338	Q8QZT1	Pyrethroid hydrolase Ces2a	K.SLFGALPGN*R.S
		Acetyl-CoA acetyltransferase, mitochondrial	K.LTFFNSTLN*TSGLVAQGEALPIPGAHRPGLVTK.A
339	Q8R0T6	Probable G-protein coupled receptor 97	R.VGCSEYTN*R.S
340	Q8R0Y6	Cytosolic 10-formyltetrahydrofolate dehydrogenase	R.VGCSEYTN*RSCEECLR.N
341	Q8R143	Pituitary tumor-transforming gene 1 protein-	
		interacting protein	K.WGHN*VTEFQQR.F
342	Q8R180	ERO1-like protein alpha	R.FTFTSHTPGDHQICLHSN*STR.M
343	Q8R1V4	Transmembrane emp24 domain-containing protein	
		4	R.FVHVN*TSAILK.L
344	Q8R2R1	Protein O-mannosyl-transferase 1	R.ASGN*FSQVDWFLIHK.E
345	Q8R2Y2-2	Isoform 2 of Cell surface glycoprotein MUC18	R.IGPGEPLELLCN*VSGALPPPGR.H
346	Q8R366	Immunoglobulin superfamily member 8	R.ILN*ETLYENAK.L
347	Q8R3G9	Tetraspanin-8	K.ITN*GTVGVR.D
348	Q8R4U0	Stabilin-2	K.N*AN*CSTVSPGQTQCTCQK.G
			R.CDNN*DTIIVR.G
			R.DIEHHLTN*VN*VSFYDDLVN*GTVLK.T
			R.VLLN*LTTVAAN*HGYTK.F
			K.AYTIFVPTNHSLETQ*GN*NSVLGIDTVR.H
349	Q8R4Y4-2	Isoform 2 of Stabilin-1	K.N*SSITLPADSR.V
			R.FCN*ESMGNCGSTGLAQPCHSDAHCVIQEGVAR.C
			R.N*VTAAAESFGYK.I
			K.DVTVIEGEVATISCQVN*K.S
350	Q8R5M8-2	Isoform 2 of Cell adhesion molecule 1	K.DVTVIEGEVATISCQVN*KSDDSVIQLLNPNR.Q
			K.VSLTN*VSISDEGR.Y

			R.FQLLN*FSSSELK.V
			R.VDDEM#PQHAVLSGPNLFINNLN*KTDN*GTYR.C
			K.DYYPIN*ESLASLPLR.V
351	Q8VBZ3	Cleft lip and palate transmembrane protein 1 homolog	K.TAASILWQAYPILN*ISEK.L
			R.SLPVN*DSVLDVFERR.V
352	Q8VCC2	Liver carboxylesterase 1	R.VREAN*LTEDQILFFPK.Y
353	Q8VCG4	Complement component C8 gamma chain	K.TIYN*WSGYPLLVHK.L
354	Q8VCI0	Phospholipase B-like 1	K.TVLDKN*GDAYGYYN*DSIK.T
			R.DQGN*VTDMASMK.Y
			R.FN*ETLHR.G
356	Q8VCM7	Fibrinogen gamma chain	R.TLEDILFRAEN*R.T
357	Q8VCM8	Nicalin OS=Mus musculus	R.VIYN*LTEK.G
358	Q8VCS0-2	Isoform 2 of N-acetylmuramoyl-L-alanine amidase	K.APSHN*TTEPDPHSLSPELQALISEVAQHDVQN*GR.
359	Q8VCS0-3	Isoform 3 of N-acetylmuramoyl-L-alanine amidase	K.LEPEHLQLQN*ISQEQLAQVATLATK.E
			K.AVIGDHGDEIFSVFGSPFLKDGASEEETN*LSK.M
360	Q8VCT4	Carboxylesterase 1D	K.N*TTSYPPMCSQDAVGGQVLSELFTN*RK.E
			K.NVN*ISYIVN*DSFFPQRPEK.L
361	Q8VCU1	Carboxylesterase 3B	K.QKNVNISYIVN*DSFFPQRPEK.L
			R.YAFQELLGDISFIIPTLN*FSK.Y
			R.QAQQERDELADEIAN*SSGK.G
362	Q8VDD5	Myosin-9	R.IISAN*GCKVDN*SSLTGESEPQTR.S
363	Q8VDN2	Sodium/potassium-transporting ATPase subunit alpha-1	K.CLSPN*VTSCACTIN*FTLK.Q
364	Q8VEK0	Cell cycle control protein 50A	R.NEDRPIAPCGAIANSMFN*DTLELYLVAN*ESDPKPI
			R.RDDLHPTLPAGQYFLN*ITYNYPVHSFDGR.K
			R.KGTEN*GVN*GTVTSN*GADSPR.N
364	Q91V04	Translocating chain-associated membrane protein 1	R.ADSLYSQVVGLSASQAN*LSK.Q
365	Q91VC4	Plasmalemma vesicle-associated protein	R.HVCPVEN*WSYN*ESCSPDPAEQGGPK.S
366	Q91WN2	Transmembrane protein 150A	K.GNTLEEILEGLKFN*LTETSEADIHQGFGHLLQR.L
367	Q91WP6	Serine protease inhibitor A3N	K.YTGN*ASALFILPDQGR.M
			R.N*GTAHGN*STHPM#HSR.C
368	Q91X72	Hemopexin	R.SWSTVGN*CTAALR.W
			K.GMNYN*SSVVK.N
369	Q91Y47	Coagulation factor XI	R.HSVPVFCHPSFYN*DTDFLGEELDIVDVK.G
			R.VYGGIVN*QSEINEGTAFFR.V
			K.TILPAAAQDVYYRDEIGN*VSTSHLLILDDSVEM#EI
370	Q91YQ5	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	K.SVGMGTHM#VFQNC#SC#IQ*SSGN*SSAVLGLCK
371	Q91YY5	Solute carrier organic anion transporter family member 1A5	K.DN*ATDSVPLR.T
372	Q91ZX7	Prolow-density lipoprotein receptor-related protein 1	K.DN*TTCYEFK.K
			K.FGHSPLIN*LTGGLSHASDVVLYHQHK.Q
			K.FGHSPLIN*LTGGLSHASDVVLYHQHKQ*PEVTNPC
			K.LHKDN*TTCYEFK.K

			K.LTSCATN*ASM#CGDEAR.C
			K.LYWISSGN*HTINR.C
			K.QTGDVTCN*CTDGR.V
			K.RGCKDN*ATDSVPLR.T
			K.WTGHN*VTVVQR.T
			R.AFIN*GTGVETVVSADLPNAHGLAVDWVSR.N
			R.CRDGSCIGN*SSR.C
			R.FGTCSQ*LCN*NTK.G
			R.FN*STEYQVVTR.V
			R.GPCSHLCLINYN*R.T
			R.GVTHLN*ISGLK.M
			R.IETILLN*GTDR.K
			R.INN*GGCQ*DLCLLTHQGHVN*CSCR.G
			R.KLNLDGSN*YTLLK.Q
			R.LN*GTDPIVAADSKR.G
			R.MGCQ*HHCVPTPSGPTCYCN*SSFQLQADGK.T
			R.N*STTLVMHMK.V
			R.RMHLN*GSNVQVLHR.T
			R.TCPLDEFQ*CN*NTLCKPLAWK.C
			R.TCVSN*CTASQ*FVCKNDK.C
			R.TCVSN*CTASQFVCK.N
			R.VDIPQQ*PMGIIAVAN*DTNSCELSPCR.I
			R.VNRFN*STEYQVVTR.V
			R.VWVCDRDN*DCVDGSDEPAN*CTQ*MTCGVDEFR.
			R.WLCDGDN*DCGN*SEDESN*ATCSAR.T
			K.N*STLCDLCIGPLK.C
			K.HLN*SSLPRPQPAILLLTAAQDAAEVLK.C
373	Q921I1	Serotransferrin	R.LRN*ATITQALTNK.D
374	Q921T2-2	Isoform 2 of Torsin-1A-interacting protein 1	R.LWLPVN*LTWADLEDKDGR.V
375	Q923B6	Metalloreductase STEAP4	R.GHVDPAN*DTFDIDPR.V
376	Q924Z4	Ceramide synthase 2	R.GNYGWQAGN*HSAFWGMTLDEGIR.Y
377	Q99J21-2	Isoform 2 of Mucolipin-1	R.GRADECALPYLGATCYCDLFCN*R.T
378	Q99JR5	Tubulointerstitial nephritis antigen-like	R.LRPHFLSVCDPDFSQIN*CSEGYIQNYR.C
379	Q99JY8	Lipid phosphate phosphohydrolase 3	K.LEGLLAN*VSR.E
380	Q99K41	EMILIN-1	R.ESN*STSLTQAALLEK.L
			R.LEDRFN*STLGPSEEQEK.N
			R.LEDRFN*STLGPSEEQEKNWPGGPGR.L
			R.LGALN*NSLLLLEDR.L
			R.LN*LTAAQLSQLEGLLQAR.G
			R.RLGALN*NSLLLLEDR.L
381	Q99KF1	Transmembrane emp24 domain-containing protein 9	R.FTFTSHTPGEHQICLHSN*STK.F
382	Q99L43	Phosphatidate cytidylyltransferase 2	R.CFVCPVEYN*N*DTN*SFTVDCEPSDLFR.L
			K.LTHIPDDLPSN*ITVLN*LTHNQLR.R

383	Q99LX0	Protein DJ-1	R.ITDIEN*GTFANIPR.V
384	Q99MB1	Toll-like receptor 3	R.HGHFTGFN*GSTLR.D
385	Q99MQ4	Asporin	K.AM#LLNQHVPM#ESSHLLQFVN*WSSLLPER.Y
386	Q99MR3	Solute carrier family 12 member 9	K.AGYFN*FTSATITYLAQ*EDGPVVIGSTSAPGQ*GGI
387	Q99PG0	Arylacetamide deacetylase	R.IAPASN*VSHTVVLRPLK.A
			R.NTQADVIN*ASWSVLSN*STRHELER.S
388	Q9CPW5	Translocon-associated protein subunit beta	R.SFDCCGLFN*LTTLR.L
389	Q9CQ88	Tetraspanin-31	K.SFQQSHVHVHDLQSFGLDNIN*M#THYIK.H
390	Q9CQE7	Endoplasmic reticulum-Golgi intermediate compartment protein 3	K.M#SN*ITFR.N
391	Q9CQF9	Prenylcysteine oxidase	R.LLN*QTLR.E
			K.CSLLHSN*ISVK.A
392	Q9CQW3	Vitamin K-dependent protein Z	R.YN*GSLGLWR.R
393	Q9CQX5	Claudin domain-containing protein 1	R.NNM#Q*SGVN*NTKK.W
394	Q9CXZ1	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial	K.DLN*GNVFQ*DAVFN*QTVTVIER.E
395	Q9CY50	Translocon-associated protein subunit alpha	R.YPQDYQFYIQ*N*FTALPLNTVVPPQR.Q
			R.N*ETHSICSACDESCK.T
396	Q9CYA0	Cysteine-rich with EGF-like domain protein 2	K.LSQALGN*ITVVQK.G
397	Q9CZ42-2	Isoform 2 of ATP-dependent (S)-NAD(P)H-hydrate dehydratase	K.NYAASIFN*ISK.K
398	Q9CZR2	N-acetylated-alpha-linked acidic dipeptidase 2	R.NHAVSFDPLFSAVKN*FSEAASDFHR.R
			R.FN*GSVSFFR.G
399	Q9D1H9-2	Isoform 2 of Microfibril-associated glycoprotein 4	R.VDLEDFEN*NTAYAK.Y
			R.KGNN*ESYHYAR.R
400	Q9D6Y9	1,4-alpha-glucan-branching enzyme	R.AGPN*GTLFVVDAYK.G
401	Q9D7N9	Adipocyte plasma membrane-associated protein	K.VVMDIPYELWN*ETSAEVADLKK.Q
402	Q9DAU1-2	Isoform 2 of Protein canopy homolog 3	K.KTEVKPSSN*GSASSASK.R
403	Q9DAV9	Trimeric intracellular cation channel type B	K.KTEVKPSSN*GSASSASKR.G
			K.AIAHYEQSADYYKGEESN*SSANK.C
404	Q9DB05	Alpha-soluble NSF attachment protein	K.RGN*NTTSLLSQSVAK.G
405	Q9DB77	Cytochrome b-c1 complex subunit 2, mitochondrial	K.LSLDSN*NLTALHPALFHN*LSR.L
406	Q9DBB9	Carboxypeptidase N subunit 2	R.AFSGSPN*LTK.V
			R.LQ*DLEITGSPVSN*LSAHIFSNLSSLEK.L
			R.LQLLN*LSR.N
			K.DLLFSDDTECLSNLQN*K.T
407	Q9DBD0	Inhibitor of carbonic anhydrase	K.DLLFSDDTECLSNLQN*KTTYK.T
			R.EDNEGVYN*GSWGGR.G
408	Q9DBF1-2	Isoform 2 of Alpha-aminoadipic semialdehyde dehydrogenase	K.SNLDPSNVDSLFYAAQ*SSQ*VLSGCEISVSN*ETK.I
409	Q9DBG6	Dolichyl-diphosphooligosaccharide--protein	K.SNLDPSNVDSLFYAAQSSQVLSGCEISVSN*ETK.E

		glycosyltransferase subunit 2	R.VFPYISVM#VNN*GSLSYDHSKDGR.W
410	Q9DBH5	Vesicular integral-membrane protein VIP36	R.IIFAN*VSVR.D
411	Q9DBI0-2	Isoform 2 of Transmembrane protease serine 6	R.AQPGRM#PN*GTQAR.G
412	Q9DBU0	Transmembrane 9 superfamily member 1	R.LCEGDRFCILDVMSTGSSSVGN*ATR.I
			R.MPN*GTQAR.G
413	Q9DBX3-2	Isoform 2 of Sushi domain-containing protein 2	K.FQVPCPLAHNLAN*ATGN*FSHMVVAEEK.A
414	Q9DCP2	Sodium-coupled neutral amino acid transporter 3	K.FN*SSSSSLEEK.V
415	Q9EPK6	Nucleotide exchange factor SIL1	K.CN*TTEITVAN*GTAELLEHIWHPR.I
416	Q9EPR4	Solute carrier family 23 member 2	K.IVNDNPYGN*GTAIFTTN*GATAR.K
417	Q9EQ20	Methylmalonate-semialdehyde dehydrogenase	
		[acylating], mitochondrial	K.CFN*AM#EVDALN*SSHPVSTPVEN*PAQIR.E
418	Q9EQH2	Endoplasmic reticulum aminopeptidase 1	R.LTPNCCN*TSTVADAYR.F
419	Q9EQJ0	Two pore calcium channel protein 1	R.LPPLNIGEVLTLPEAN*FPSFSLPNCN*R.S
420	Q9ESB3	Histidine-rich glycoprotein	R.LQEGALPQ*LPPGYPPHSGAN*R.T
			R.N*CSTQHFPR.S
			R.YSN*ESQDLSVN*GYN*CTTSSVSSALR.N
			R.ALAGLVYN*SSGTEPCYDIYR.L
421	Q9ET22	Dipeptidyl peptidase 2	R.IVDVN*LTSEGK.V
422	Q9ET30	Transmembrane 9 superfamily member 3	R.GN*HSLFGLEVATLGQ*GPDCPSVNER.N
423	Q9JHJ3	Lysosomal protein NCU-G1	K.EVIKTNN*VSEHEDTDKYR.Q
424	Q9JIF7	Coatomer subunit beta	K.TNN*VSEHEDTDKYR.Q
			R.HIDCASVYGN*ETEIGEALKESVGSGK.A
425	Q9JII6	Alcohol dehydrogenase [NADP(+)]	R.LDVSQN*VSSDTDQ*SCESTK.A
426	Q9JIM1-2	Isoform 2 of Equilibrative nucleoside transporter 1	R.IAQEGGAAALLIAN*NSVLIPSSR.N
427	Q9JJF9	Signal peptide peptidase-like 2A	R.LPSSLENATSLSLMN*LTGTALCHLSDIPPDGIR.N
			K.KLM#NIEFYDCSCVSGSGFQ*KGN*HSAR.L
428	Q9JJL3-2	Isoform 2 of Solute carrier organic anion	K.LM#NIEFYDCSCVSGSGFQKGN*HSAR.L
			R.YATENDISSLHN*STLTCLVNQ*TTSLTGTSPEIM#EI
			K.AAEN*FTLLVK.N
429	Q9JJX6-3	transporter family member 1B2	K.GVAVTN*TSQLGFR.I
			R.CVPFN*ASVK.T
			R.NILPN*ITTSYLK.S
			K.IN*GTQICPNNLVAFHDFSSDLENVPHLR.Y
430	Q9JK53	Isoform c of P2X purinoceptor 4	K.NSFN*ISNLLVLHLSHNK.I
			R.IHYLYLQN*NFITELPLESFQN*ATGLR.W
			R.IHYLYLQNNFITELPLESFQN*ATGLR.W
			K.ADANPPATEYHWTTLN*GSLPK.G
431	Q9JKF6	Prolargin	R.NPN*GTVTVISR.Y
			R.SGQVEVN*ITEFPYTPTPEHGR.R
			K.DKN*GTRAEPPLN*ASAGDQEEK.V
432	Q9JL99-2	Poliovirus receptor-related protein 1	K.N*ATLAEQAKLPATEKPVLLSK.D
			K.VIN*DTWAWK.N
			R.AEPPLN*ASAGDQEEK.V
			R.FQISPQLQFSPEEVLGM#VLN*YSR.S

			R.LSALDNLLN*HSSIFLK.G
			R.VFGSQN*LTTVK.L
			K.QYCTEQN*ATLVK.T
433	Q9QWR8	Isoform 2 of C-type lectin domain family 1 member B	K.VN*YTEVSR.V
434	Q9QXC1	Alpha-N-acetylgalactosaminidase	R.RVLYLPAYN*CTLRPVSK.R
		Fetuin-B	K.SVGTGTNMVFQ*N*CSCIGSSGN*SSAVLGLCK.K
435	Q9QXZ6	Solute carrier organic anion transporter family	R.YKYETTISPTSN*LSSN*SFLCIEN*R.T
436		member 1A1	R.LFSICQFVDDGLDLN*R.T
	Q9QY73	Transmembrane protein 59	R.GLM#VGN*GSVLGVVQ*AVDAETGK.V
437	Q9QY81	Nuclear pore membrane glycoprotein 210	R.IEAVLPAEFFEVLSSSQ*N*GSYHHIR.A
			R.VN*FTLEASEGCYR.W
			K.EKVEN*GSETGPLPPELQPLLEGEVK.G
438	Q9QYC7	Vitamin K-dependent gamma-carboxylase	K.VYIN*DSVELSRNENK.I
439	Q9R013	Cathepsin F	R.FCNIVPTEHCFLGN*GTEYR.G
440	Q9R098	Hepatocyte growth factor activator	K.SSSPSSPAAVNHHSSSDISPVSN*ESTSSSPGK.D
441	Q9R0A0	Peroxisomal membrane protein PEX14	K.ETLVTLFDN*R.T
442	Q9R0A1	Chloride channel protein 2	R.EQYIHEN*YSR.A
443	Q9R0E1	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	R.FLQSAEFFN*YTVR.T
			R.EQIN*ISLDHR.C
444	Q9R0E2	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	K.IM#QDPIQQAEGLYCN*R.T
445	Q9R1W5	Calcitonin gene-related peptide type 1 receptor	K.AATCINPLN*GSVCERPAN*HSAK.Q
446	Q9WU60	Attractin	K.IDSTGN*VTN*ELR.V
			R.EWLPLN*HSVNSVVVR.Y
			K.GKNN*Q*TECFNHVR.F
447	Q9WUH7	Semaphorin-4G	K.GQTQN*YSTLLLEEASER.L
			R.LN*ATHFYACGTHAFQPLCAAIDAETFILPTSFEEGK
			R.SRGYN*SSQDLPSLVLDFVK.L
			K.ECHTIQN*YTLWR.V
448	Q9WUU7	Cathepsin Z	R.GYLTSFEM#FN*STFK.L
449	Q9WUZ9	Ectonucleoside triphosphate diphosphohydrolase 5	K.N*LSFATIYDVLSTKPVLNK.L
450	Q9WV54	Acid ceramidase	R.SVLEN*TTSYEEAK.N
			R.SVLEN*TTSYEEAKNTLTK.T
			K.EVMNLLQPLN*VTK.V
451	Q9WVJ3-2	Isoform 2 of Carboxypeptidase Q	K.MQVVSN*GTVTTALWR.L
			K.TAFAPPDIPVCLLGN*R.T
			R.CLVPHTVN*LSSAWR.N
452	Q9Z0E8	Isoform 2 of Solute carrier family 12 member 7	R.LATIAN*FSELGLEPGR.D
			K.HFPTELLDSLALEN*LTANFHK.W
453	Q9Z0L8-2	Solute carrier family 22 member 5	R.SIN*GVLLPGGGAN*LTDSGYSR.V
			K.NYFHYN*QSFPPSYNIK.N
454	Q9Z0M5	Isoform II of Gamma-glutamyl hydrolase	K.YDLPASINYILN*K.T
			R.ETNVGN*QTVVR.V
455	Q9Z222	Lysosomal acid lipase/cholesteryl ester hydrolase	

		UDP-GlcNAc:betaGalbeta-1,3-N-acetylglucosaminyltransferase 2	R.YHYN*GTFLDGTLFDSSHNR.M
456	Q9Z247	Peptidyl-prolyl cis-trans isomerase FKBP9	R.GDHHQLSHYN*LTGVR.G
457	Q9Z2A9-2	Isoform 2 of Gamma-glutamyltransferase 5	R.LWDPSSHPGIQN*ISR.D R.QLFFN*GTETLR.S R.EATIVGEN*ETYPR.A
458	Q9Z2G6-2	Isoform 2 of Protein sel-1 homolog 1	

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