

Preparation of hydrazine functionalized polymer brushes hybrid magnetic nanoparticles for highly specific enrichment of glycopeptides

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Table S1 List of glycosites of hepatocellular carcinoma identified by Fe₃O₄@SiO₂@GMA-NHNH₂

IPI Accession	Swiss-Prot	Protein Name	Glycosites	Sequence
IPI00221224	P15144	Aminopeptidase N	N818	NgATLVNEADKLR
IPI00218019	P35613-1	Basigin	N160	ILLTCSLNgDSATEVTGHR
IPI00942787		42 kDa protein	N217	VVLHPNngYSQVDIGLIK
IPI00947400		81 kDa protein	N8	YFNngYTVK
IPI00872773		54 kDa protein	N280	WGHNgITEFQQR
IPI00917799		Probable serine carboxypeptidase CPVL	N50	QAIHVGNgQTFNDGTIVEK
IPI00385428		60 kDa protein	N338	LSQGNgTTLSPVVKR
IPI00954954		clusterin isoform 3	N385	LANgLTQGEDQYYLR
IPI00954954		clusterin isoform 3	N156	QLEEFNgQSSPF
IPI00027230	P14625	Endoplasmin	N62	EGSRTDDEVVQREEEAIQLDG LNngASQIR
IPI00943008	Q02809	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	N538	YIHQNgYTK
IPI00020557	Q07954	Prolow-density lipoprotein receptor-related protein 1	N446	FNngSTEYQVVTR
IPI00002745	Q9UBR2	Cathepsin Z	N224	LANgYTGGIYAEYQDTTY
IPI00339223	P02751-3	Isoform 3 of Fibronectin	N528	DITYNVNgDTFHK
IPI00003807	P11117	Lysosomal acid phosphatase	N167	YEQLQNgETR
IPI00298497	P02675	Fibrinogen beta chain	N394	GTAGNALMDGASQLMGENG
IPI00328113	P35555	Fibrillin-1	N448	VLPVNgVTDYCQLVR
IPI00000877	Q9Y4L1	Hypoxia up-regulated protein 1	N931	AEPLNngASASDQGEK
IPI00293303	Q99538	Legumain	N167	DLNngETIHY
IPI00163381	Q32P28-1	Isoform 1 of Prolyl 3-hydroxylase 1	N540	VPLQSAHLYYNgVTEK

IPI00939667	O14773-1	Isoform 1 of Tripeptidyl-peptidase 1	N313	LMLLSNgESALPHVHTVSYGD DEDSLSSAYIQR
IPI00022229	P04114	Apolipoprotein B-100	N1523	FNgSSYLQGTNQTGR
IPI00935840	P13688-2	Isoform 2 of Carcinoembryonic antigen-related cell adhesion molecule 1	N378	LSQGNgTTLSPVVKR
IPI00743104	P56199	Integrin alpha-1	N460	YNgHTGQVHIYR
IPI00937490	P43308	Translocon-associated protein subunit beta precursor	N91	IAPASNgVSHTVVLRLPK
IPI00013698	Q13510-1	Acid ceramidase	N437	ILGGNgQSGEGCVITR
IPI00009950	Q12907	Vesicular integral-membrane protein VIP36	N183	ISVMVNNgGSLSYDHSK
IPI00910262	Q15063-4	Isoform 4 of Periostin	N599	EVNgDTLLVNELK
IPI00000877	Q9Y4L1	Hypoxia up-regulated protein 1	N830	LSALDNLLNgHSSM
IPI00383879	P22760	Arylacetamide deacetylase	N78	ENgVTVTETK
IPI00784543	Q8N766-2	ER membrane protein complex subunit 1	N912	FINYNgQTVSR
IPI00339223	P02751-3	Isoform 3 of Fibronectin	N430	LYNNHNgYTDCTSEGR
IPI00018953	P27487	Dipeptidyl peptidase 4	N520	KLDFIILNgETK
IPI00218019	P35613-1	Isoform 1 of Basigin	N160	ILLTCSLNgDSATEVTGHR
IPI00012887	P07711	Cathepsin L1	N221	YSVANgDTGFVDIPKQEK
IPI00000877	Q9Y4L1	Hypoxia up-regulated protein 1	N515	VFGSQNgLTTVK
IPI00735310	Q16363-2	Laminin subunit alpha-4	N803	RPASNgVSASIQR
IPI00011229	P07339	Cathepsin D	N263	GSLSYLNgVTR
IPI00027745	P08236-1	Isoform Long of Beta-glucuronidase	N272	VVANgGTGTQGQLK
IPI00221224	P15144	Aminopeptidase N	N234	AEFNgITLIHPK
IPI00855785	P02751-15	Isoform 15 of Fibronectin	N1007	LDAPTNLQFVNgETDSTVLVR
IPI00298828	P02749	Beta-2-glycoprotein 1	N253	LGNgWSAMPCK
IPI00855785	P02751-15	Isoform 15 of Fibronectin	N528	DQCIVDDITYNVNgDTFHK

IPI00396411	O96005-1	Isoform 1 of Cleft lip and palate transmembrane protein	N295	DYYPINgESLASLPLR
IPI00298828	P02749	Beta-2-glycoprotein 1	N162	VYKPSAGNgNSLYR
IPI00855785	P02751-15	Isoform 15 of Fibronectin	N1291	WTPLNgSSTIIGYR
IPI00020557	Q07954	Prolow-density lipoprotein receptor-related protein 1	N1763	LYWISSGNgHTINR
IPI00855785	P02751-15	Isoform 15 of Fibronectin	N877	NgITIYAVEENQESTPVVIQGET TGTPR
IPI00016255	Q6P4A8	Putative phospholipase B-like 1	N411	IYNgWSGYPLLQK
IPI00855785	P02751-15	Isoform 15 of Fibronectin	N430	LYNNHNgYTDCTSEGR
IPI00873201	P07602-2	Isoform Sap-mu-6 of Proactivator polypeptide	N428	NLEKNgSTKQEILAALEK
IPI00029817	Q99519	Sialidase-1	N352	WSFSNgGTSWR
IPI00553177	P01009-1	Alpha-1-antitrypsin	N271	YLGNgATAIFFLPDEGK
IPI00298281	P11047	Laminin subunit gamma-1	N650	LLNNgLTSIK
IPI00304840	P12110-1	Isoform 2C2 of Collagen alpha-2(VI) chain	N140	RGTFTDCALANgMTEQIR
IPI00303300	Q96AY3	Peptidyl-prolyl cis-trans isomerase FKBP10	N182	YHYNgGTLLDGTSFDTSYSK
IPI00221224	P15144	Aminopeptidase N	N625	NLNgVTGYR
IPI00418431	Q9BXN1	ASPN protein	N286	ITDIENgGSLANIPR
IPI00018769	P35442	Thrombospondin-2	N1069	VVNgSTTGTGEHLR
IPI00221224	P15144	Aminopeptidase N	N681	ALNgNTLFLIEER
IPI00022463	P02787	Serotransferrin	N630	QQQHLFGSNgVTDCSGNF
IPI00022371	P04196	Histidine-rich glycoprotein	N125	VIDFNgCTTSSVSSALANTK
IPI00031131	Q9HDC9-1	Isoform 1 of Adipocyte plasma membrane-associated protein	N160	AGPNgGTLFVADAYK
IPI00020005	P51690	cDNA FLJ50239 , highly similar to Arylsulfatase E	N150	VLQWTGASGGLPTNgETTFAK
IPI00339223	P02751-3	Isoform 3 of Fibronectin	N1007	LDAPTNLQFVNgETDSTVL
IPI00953689	P02765	Alpha-2-HS-glycoprotein	N176	AALAAFNAQNNgGSNFQLEEI

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IPI00939667	O14773-1	Isoform 1 of Tripeptidyl-peptidase 1	N443	FLSSSPHLPPSSYFNgASGR
IPI00000877	Q9Y4L1	Hypoxia up-regulated protein 1	N862	VINgETWAWK
IPI00020557	Q07954	Prolow-density lipoprotein receptor-related protein 1	N1616	NgVTVLDYDAR
IPI00020599	P27797	Calreticulin	N344	DEAYAEFFGNgETWGVTK
IPI00024811	O60487	Myelin protein zero-like protein 2	N39	VLEAVNgGTDAR
IPI00927191	P16278-3	Isoform 3 of Beta-galactosidase	N434	NNVITLNgITGK
IPI00872082	Q08722-3	Isoform OA3-305 of Leukocyte surface antigen CD47	N73	DIYTFDGALNgK
IPI00217882	Q99523	Sortilin	N406	HLYTTTGGETDFTNgVTSLR
IPI00553177	P01009-1	Alpha-1-antitrypsin	N107	ADTHDEILEGLNFNgLTEIPEA QIH
IPI00031131	Q9HDC9-1	Isoform 1 of Adipocyte plasma membrane-associated protein	N196	NgMSFVNDLTVTQDGR
IPI00383879	P22760	Arylacetamide deacetylase	N282	FVNgWSSLLPER
IPI00298281	P11047	Laminin subunit gamma-1	N1107	VNgNTLSSQISR
IPI00002790	Q9UBV2-1	Isoform 1 of Protein sel-1 homolog 1	N608	EASIVGENgETYPR
IPI00451965	P19224	UDP-glucuronosyltransferase 1-6	N346	YTGTRPSNLANgNTILVK
IPI00339223	P02751-3	Isoform 3 of Fibronectin	N877	NgITIYAVEENQESTPVVIQQET TGTPR
IPI00291136	P12109	Collagen alpha-1(VI) chain	N212	NgFTAADWGQSR
IPI00743104	P56199	Integrin alpha-1	N418	NgTTFNVESTK
IPI00297492	P46977	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit STT3A	N537	VMSWWDYGYQITAMANgR
IPI00936002	P49419-2	Isoform 2 of Alpha-aminoacidic semialdehyde dehydrogenase	N28	ELGLREENEGVYNgGSWGGR

IPI00339223	P02751-3	Isoform 3 of Fibronectin	N528	DQCIVDDITYNVNgDTFHK
IPI00298497	P02675	Fibrinogen beta chain	N394	DGASQLMGENGgR
IPI00152377	Q8TCJ2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B	N616	VMSWWDYGYQIAGMANgR
IPI00236556	P05164-3	Isoform H7 of Myeloperoxidase	N423	ALLPFDNLHDDPCLLTNgR
IPI00939667	O14773-1	Isoform 1 of Tripeptidyl-peptidase 1	N313	LLSNgESALPHVHTVSYGDDE DSLSSAYIQR
IPI00020557	Q07954	Prolow-density lipoprotein receptor-related protein 1	N3089	RMHLNgGSNVQVLHR
IPI00656111	Q92954-5	Isoform E of Proteoglycan 4	N688	NgGTLVAFR
IPI00003807	P11117	Lysosomal acid phosphatase	N133	FNPNgISWQPIPVHTVPITEDR
IPI00221224	P15144	Aminopeptidase N	N128	KLNgYTLSQGHR
IPI00043598	Q70UQ0-4	Isoform 4 of Inhibitor of nuclear factor kappa-B kinase-interacting protein	N154	FQNgITDFWK
IPI00024284	P98160	Basement membrane-specific heparan sulfate proteoglycan core protein	N4068	YLGGVEPSVPLSPATNgMSAHF R
IPI00472210	Q29718	HLA class I histocompatibility antigen, B-2 alpha chain	N110	YYNgQSEAGSHTLQR
IPI00003807	P11117	Lysosomal acid phosphatase	N92	YHGFLNgTSYHR
IPI00011229	P07339	Cathepsin D	N263	GSLSYLNgVTRK
IPI00884105	P11279	Lysosome-associated membrane glycoprotein 1	N103	GHTLTLNgFTR
IPI00032328	P01042-1	Isoform HMW of Kininogen-1	N294	LNAENNgATFYFK
IPI00236556	P05164-3	MPO Isoform H7 of Myeloperoxidase	N387	NLRNgMSNQLGLLAVNQR
IPI00410241	Q15063-3	Periostin, osteoblast specific factor	N599	EVNgDTLLVNELK
IPI00024284	P98160	Basement membrane-specific heparan sulfate proteoglycan core protein	N89	ALVNgFTR
IPI00027230	P14625	Endoplasmin	N217	HNNgDTQHIWESDSNEFSVIA

				DPR
IPI00296099	P07996	Thrombospondin-1	N1067	VVNgSTTGPGEHLR
IPI00921401	P23229-9	Isoform 9 of Integrin alpha-6	N982	LWNgSTFLEEYSK
IPI00339223	P02751-3	Isoform 3 of Fibronectin	N1007	LDAPTNLQFVNgETDSTVLVR
IPI00884105	P11279	Lysosome-associated membrane glycoprotein 1	N322	DPAFKAANgGSLR
IPI00884105	P11279	Lysosome-associated membrane glycoprotein 1	N293	LFQFGMNgASSSR
IPI00937490	P43308	Translocon-associated protein subunit beta precursor	N107	AGYFNgFTSATITY
IPI00020599	P27797	Calreticulin	N344	NgETWGVTK
IPI00941900	O43852-1	Isoform 1 of Calumenin	N131	NgATYGYVLD
IPI00553177	P01009-1	Alpha-1-antitrypsin	N107	NgLTEIPEAQIHEGFQELLR
IPI00873201	P07602-2	Isoform Sap-mu-6 of Proactivator polypeptide	N80	DNgATEEEILVYLEK
IPI00305304	Q96G23	LAG1 longevity assurance homolog 2	N19	LWLVPVNgLTWADLEDGRDGR
IPI00941110	Q9UH99	SUN domain-containing protein 2	N636	ALSPNngSTISSAPK
IPI00655604	P30491	HLA class I histocompatibility antigen, B-53 alpha chain	N110	YYNgQSEAGSHIIQR
IPI00015872	P19075	Tetraspanin-8	N118	IVNgETLYENTK
IPI00426051	P01859	Ig gamma-2 chain C region	N314	EEQFNgSTFR
IPI00739827	P13473-2	Isoform LAMP-2B of Lysosome-associated membrane glycoprotein 2	N356	VQPFNgVTQGK
IPI00743104	P56199	Integrin alpha-1	N402	DWNngGTVVMQK
IPI00478003	P01023	Alpha-2-macroglobulin	N991	DYLNngETQQLTPEIK
IPI00152377	Q8TCJ2	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit STT3B	N641	AMSSNngETAAYK
IPI00553177	P01009-1	Alpha-1-antitrypsin	N271	NgATAIFFLPDEGK
IPI00020599	P27797	Calreticulin	N344	EEFGNngETWGVTK
IPI00217766	Q14108	Lysosome membrane protein 2	N68	FFNngVTNP EEILR

IPI00217766	Q14108	Lysosome membrane protein 2	N105	ANIQFGDNgGTTISAVSNK
IPI00884105	P11279	Lysosome-associated membrane glycoprotein 1	N84	ENgTSDPSLVIAFGR
IPI00921849	B7Z5V6	cDNA FLJ57046, highly similar to Lysosomal alpha-glucosidase	N390	QVVENgMTR
IPI00515093		cDNA FLJ60331, highly similar to Nicastrin	N45	IYIPLNgK
IPI00908532		cDNA FLJ57633, highly similar to Lysosome-associated membrane glycoprotein 1	N103	GHTLTNgFTR
IPI00784817		Anti-RhD monoclonal T125 gamma1 heavy chain	N325	EEQYNgSTYR
IPI00552444		5'-nucleotidase, ecto	N87	GNVISSHGPNILLNgSSIPEDPSI K
IPI00942016		Putative uncharacterized protein DKFZp686F1789	N60	FQLLNgFSSSELK
IPI00944640		aspartyl/asparaginyl beta-hydroxylase isoform f	N423	LVQLFPNgDTSLK
IPI00908762		cDNA FLJ53509, highly similar to Galectin-3-binding protein	N69	ALGFENgATQALGR
IPI00790278		cDNA FLJ50586, highly similar to P2X purinoceptor 4	N83	AAENgFTLLVK
IPI00942016		Putative uncharacterized protein DKFZp686F1789	N72	VSLTNgVSISDEGR
IPI00930072		Putative uncharacterized protein DKFZp686E23209	N320	EEQFNgSTFR
IPI00908532		cDNA FLJ57633, highly similar to Lysosome-associated membrane glycoprotein 1	N240	LFQFGMNgASSSR
IPI00892604		Complement component C4B (Chido blood group) 2	N1328	GLNgVTLSTGR
IPI00947049		Golgi membrane protein 1	N109	AVLVNNgITTGER
IPI00944646			N64	YNgLSEVLQGK
IPI00924935		cDNA FLJ57106, highly similar to Transferrin receptor protein 1	N646	KQNNGAFNgETLFR
IPI00973518		MHC HLA B71 (Fragment)	N110	GYYNgQSEAGSHTLQR

IPI00922428		cDNA FLJ51089, highly similar to FK506-binding protein 9	N227	YHYNgGTFLDGTFLDSSHNR
IPI00910734		aspartyl/asparaginyl beta-hydroxylase isoform	N57	ANgLTVVLLR
IPI00921849		cDNA FLJ57046, highly similar to Lysosomal alpha-glucosidase	N470	GVFITNgETGQPLIGK
IPI00966643		MHC class I antigen (Fragment)	N85	GYYNgQSEAGSHTVQR
IPI00974481		Protein tyrosine phosphatase, receptor type, C	N73	YANgITVDYLYNK
IPI00877792		Fibrinogen gamma chain	N78	DILHQVENgK
IPI00515093		cDNA FLJ60331, highly similar to Nicastrin	N392	ANgNSWFQSILR
IPI00970987		Hepatic asialoglycoprotein receptor 1 transcript variant b	N40	ETFSNgFTASTEAVQK
IPI00789376		KNR1 protein	N158	LNAENNgATFYFK
IPI00970944		MHC class I antigen (Fragment)	N106	YYNgQSEAGSHIIQR
IPI00793751		cDNA FLJ50064, highly similar to Microfibril-associated glycoprotein 4	N111	FNgGSVSFFR
IPI00973913		cDNA FLJ57644, highly similar to Serum paraoxonase/arylesterase 1	N324	VTQVYAENgGTVLQGSTVASV YK
IPI00921849		cDNA FLJ57046, highly similar to Lysosomal alpha-glucosidase	N140	LENgLSSSEMGYTATLTR
IPI00892604		Complement component C4B (Chido blood group) 2	N226	FSDGLESNgSSTQFEVK
IPI00295940		cDNA FLJ55508, highly similar to Sad1/unc-84-like protein 2	N671	ALSPNgSTISSAPK
IPI00795030		LASS6 protein	N18	FWLPHNgVTWADLK
IPI00876888		cDNA FLJ78387	N322	EEQYNgSTYR
IPI00908762		cDNA FLJ53509, highly similar to Galectin-3-binding protein	N227	GLNgLTEDTYKPR

IPI00922428		cDNA FLJ51089, highly similar to FK506-binding protein 9	N339	YHYNgGTL LDGTLFDSSYSR
IPI00845473		cDNA FLJ50709, highly similar to Glucosylceramidase	N196	DLGPTLANgSTHHNVR
IPI00796919		cDNA FLJ54553, highly similar to Beta-galactosidase	N512	NNVITLNgITGK
IPI00940485			N416	IDSTGNgVTNELR
IPI00970932		MHC class I antigen (Fragment)	N85	GYYNgQSEAGSHTVQR
IPI00924546		EGFR protein	N307	DSLSINgATNIK
IPI00796411		cDNA FLJ51665, highly similar to Homo sapiens plasma glutamate carboxypeptidase (PGCP), mRNA	N98	IVVYNQPYINgYSR
IPI00944977		cDNA, FLJ79012, highly similar to CD166 antigen	N480	IIISPEENgVTLTCTAENQLER
IPI00877792		Fibrinogen gamma chain	N78	VDKDLQSLEDILHQVENgK
IPI00892978		EDEM3 protein	N152	LLPAFNgTTSGLPYPR
IPI00644131		lysosomal alpha-mannosidase isoform 2 precursor	N366	ANgLTWSVK
IPI00640709		Uncharacterized protein	N125	VLQWTGASGGLPTNgETTFK
IPI00965888		MHC class I antigen (Fragment)	N85	GYYNgQSEAGSHTVQR
IPI00944977		cDNA, FLJ79012, highly similar to CD166 antigen	N95	LNLSNgYTLISNAR
IPI00908762		cDNA FLJ53509, highly similar to Galectin-3-binding protein	N380	AAIPSALDTNgSSK
IPI00644458		SM-11044 binding protein	N130	IVDVNgLTSEGK
IPI00924859		kininogen-1 isoform 3	N258	LNAENNgATFYFK
IPI00968290		Claudin domain-containing protein 1	N72	YNgGTVGLWR
IPI00924935		cDNA FLJ57106, highly similar to Transferrin receptor protein 1	N170	DFEDLYTPVNgGSIVIVR
IPI00793589		cDNA FLJ51740, highly similar to	N273	NgVSTSHLLILDDSVEMEIRPR

		Dolichyl-diphosphooligosaccharide--protein glycosyltransferase		
IPI00967014		Vesicular integral-membrane protein VIP36	N183	ISVMVNNGSLSYDHSK
IPI00871885		MHC class I antigen	N110	GYYNQSEAGSHTLQR
IPI00924859		kininogen-1 isoform 3	N169	HGIQYFNNGNTQHSSLF
IPI00879931		cDNA FLJ58826, highly similar to Plasma protease C1 inhibitor	N272	DTFVNNGASR

Table S2 List of glycosites of hepatocellular carcinoma identified by Fe₃O₄@SiO₂-single-NH₂.

IPI Accession	Swiss-Prot	Protein Name	Glycosites	Sequence
IPI00942787		42 kDa protein	N217	VVLHPNGYSQVDIGLIK
IPI00929530	Q9HDC9-2	Isoform 2 of Adipocyte plasma membrane-associated protein	N160	AGPNGGTLFVADAYK
IPI00954954		clusterin isoform 3	N385	LANGLTQGEDQYYLR
IPI00855785	P02751-15	Isoform 15 of Fibronectin	N1007	LDAPTNLQFVNGETDSTVLVR
IPI00743104	P56199	Integrin alpha-1	N460	YNGHTGQVIIYR
IPI00027230	P14625	Endoplasmic	N62	EGSRTDDEVVQREEEAIQLDGLNGASQIR
IPI00937490	P43308	Translocon-associated protein subunit beta precursor	N91	IAPASNGVSHTVVLRPLK
IPI00855785	P02751-15	Isoform 15 of Fibronectin	N528	DQCIVDDITYNVNGDTFHK
IPI00910262	Q15063-4	Isoform 4 of Periostin	N599	EVNGDTLLVNELK
IPI00434346	P22309	UDP-glucuronosyltransferase 1-1	N347	YTGTRPSNLANGNTILVK
IPI00939667	O14773-1	Isoform 1 of Tripeptidyl-peptidase 1	N443	FLSSSPHLPPSSYFNGASGR

IPI00873201	P07602-2	Isoform Sap-mu-6 of Proactivator polypeptide	N428	NLEKNgSTKQEILAALEK
IPI00936002	P49419-2	Isoform 2 of Alpha-aminoadipic semialdehyde dehydrogenase	N28	ELGLREENEGVYNgGSWGGR
IPI00012887	P07711	Cathepsin L1	N221	YSVANgDTGFVDIPKQEK
IPI00646304	P23284	Peptidyl-prolyl cis-trans isomerase B	N148	HYGPGWVSMANAGKDTNgGSQFFITTVK
IPI00007752	P68371	Tubulin beta-2C chain	N337	NgSSYFVEWIPNNVK
IPI00383879	P22760	Arylacetamide deacetylase	N282	FVNgWSSLLPER
IPI00909140	P07437	Tubulin beta chain	N337	NgSSYFVEWIPNNVK
IPI00027230	P14625	Endoplasmin	N217	HNNgDTQHIWESDSNEFSVIADPR
IPI00236556	P05164-3	Isoform H7 of Myeloperoxidase	N423	ALLPFDNLHDDPCLLTNgR
IPI00419585	P62937	Peptidyl-prolyl cis-trans isomerase A	N108	HTGPGILSMANAGPNTNgGSQFF
IPI00011229	P07339	Cathepsin D	N263	GSLSYLNgVTR
IPI00451965	P19224	UDP-glucuronosyltransferase 1-6	N346	YTGTRPSNLANgNTILVK
IPI00221224	P15144	Aminopeptidase N	N681	ALNgNTLFLIEER
IPI00419585	P62937	Peptidyl-prolyl cis-trans isomerase A	N71	HNgtGGKSIYGEKFEDENFILK
IPI00939667	O14773-1	Isoform 1 of Tripeptidyl-peptidase 1	N313	LLSNgESALPHVHTVSYGDDEDSLSSAYIQ R
IPI00022895	P04217-1	Isoform 1 of Alpha-1B-glycoprotein	N179	EGDHEFLEVPEAQEDVEATFPVHQPGNgY
IPI00221224	P15144	Aminopeptidase N	N234	AEFNgtITLIHPK
IPI00790784	P01009-2	Isoform 2 of Alpha-1-antitrypsin	N271	YLGNgATAIFFLPDEGK
IPI00855785	P02751-15	Isoform 15 of Fibronectin	N1007	LDAPTNLQFVNgtETDSTVLVR
IPI00024572	Q12797-3	Isoform Junctin-1 of Aspartyl/asparaginyl beta-hydroxylase	N64	YNgLSEVLQGK
IPI00953689	P02765	Alpha-2-HS-glycoprotein	N176	AALAAFNAQNNgGSNFQLEEISR

IPI00396411	O96005-1	Isoform 1 of Cleft lip and palate transmembrane protein	N295	DYYPINgESLASLPLR
IPI00297492	P46977	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit STT3A	N537	VMSWWDYGYQITAMANgR
IPI00553177	P01009-1	Alpha-1-antitrypsin	N271	YLGNgATAIFFLPDEGK
IPI00014230	Q07021	Complement component 1 Q subcomponent-binding protein, mitochondrial	N114	MSGGWELELNgGTEAK
IPI00031131	Q9HDC9-1	Isoform 1 of Adipocyte plasma membrane-associated protein	N196	NgMSFVNDLTVTQDGR
IPI00873201	P07602-2	Isoform Sap-mu-6 of Proactivator polypeptide	N334	LIDNNgKTEKEILDADFCK
IPI00009750	P56470	Galectin-4	N253	NSLLNgGSWGSEEK
IPI00939667	O14773-1	Isoform 1 of Tripeptidyl-peptidase 1	N313	LMLLSNgESALPHVHTVSYGDDEDSLSSA YIQR
IPI00031131	Q9HDC9-1	Isoform 1 of Adipocyte plasma membrane-associated protein	N160	AGPNgGTLFVADAYK
IPI00022229	P04114	Apolipoprotein B-100	N1523	FNgSSYLQGTNQITGR
IPI00418446	Q13510-2	Acid ceramidase	N302	ILGGNgQSGEGCVITR
IPI00293088	P10253	Meiotically up-regulated gene 64 protein	N470	GVFITNgETGQPLIGK
IPI00873201	P07602-2	Isoform Sap-mu-6 of Proactivator polypeptide	N334	LIDNNgKTEK
IPI00299402	P11498	Pyruvate carboxylase, mitochondrial	N216	VVHSYEELEENgYTR
IPI00847322		Superoxide dismutase	N63	HHAAYVNNLNgVTEEKYQEALAK
IPI00793751		cDNA FLJ50064, highly similar to Microfibril-associated glycoprotein 4	N111	FNgGSVSFFR

IPI00930715		cDNA, FLJ93005, highly similar to Homo sapiens tubulin, beta polypeptide (TUBB), mRNA	N337	NgSSYFVEWIPNNVK
IPI00922838		cDNA FLJ56074, highly similar to 150 kDa oxygen-regulated protein	N844	VINgETWAWK
IPI00924935		cDNA FLJ57106, highly similar to Transferrin receptor protein 1	N646	KQNNGAFNgETLFR
IPI00922838		cDNA FLJ56074, highly similar to 150 kDa oxygen-regulated protein	N559	VFGSQNgLTTVK
IPI00930072		Putative uncharacterized protein DKFZp686E23209	N320	EEQFNgSTFR
IPI00922428		cDNA FLJ51089, highly similar to FK506-binding protein 9	N227	YHYNgGTFLDGTFLDSSHNR
IPI00908532		Lysosome-associated membrane glycoprotein 1	N103	GHTLTLNgFTR
IPI00910781		cDNA FLJ56429, highly similar to Glucose-6-phosphate isomerase	N260	HFVALSTNgTTK
IPI00910734		aspartyl/asparaginyl beta-hydroxylase isoform	N57	ANgLTVVLLR
IPI00892604		Complement component C4B (Chido blood group) 2	N226	FSDGLESNgSSTQFEVK
IPI00877792		Fibrinogen gamma chain	N78	VDKDLQSLEDILHQVENgK
IPI00784842		Putative uncharacterized protein DKFZp686G11190	N325	EEQYNgSTYR
IPI00924935		cDNA FLJ57106, highly similar to Transferrin receptor protein 1	N170	DFEDLYTPVNgGSIVIVR

IPI00908762		cDNA FLJ53509, highly similar to Galectin-3-binding protein	N69	ALGFENgATQALGR
IPI00947049		Golgi membrane protein 1	N109	AVLVNNgITTGER
IPI00876888		cDNA FLJ78387	N322	EEQYNgSTYR
IPI00793277		Cartilage-associated protein	N320	DTWGLSDEHFQPRPEAVQFFNgVTTLQK
IPI00922838		cDNA FLJ56074, highly similar to 150 kDa oxygen-regulated protein	N812	LSALDNLLNgHSSMFLK
IPI00908404		cDNA FLJ51188, highly similar to N-acetylglucosamine-6-sulfatase	N215	YYNgYTLSINGK
IPI00909694		cDNA FLJ56008, highly similar to Aldehyde dehydrogenase family 7 member	N83	ELGLREENEGVYNgGSWGGR
IPI00847322		Superoxide dismutase	N63	HHAAYVNNLNgVTEEKYQEALAK
IPI00374151		thioredoxin-dependent peroxide reductase, mitochondrial isoform b	N214	AFQYVETHGEVCPANgWTPDSPTIKPSPAA SK
IPI00791304		Chromosome 20 open reading frame 3	N181	NgMSFVNDLTVTQDGR
IPI00784817		Anti-RhD monoclonal T125 gamma1 heavy chain	N325	EEQYNgSTYR
IPI00791304		Chromosome 20 open reading frame 3	N145	AGPNgGTLFVADAYK