Electronic Supplementary Material (ESI) for Molecular BioSystems.

Identified proteins	Accession Number	Mol Wt	Protein identification confidence (%) for proteins identified from following spots									
			spot 2	spot 5	spot 6	spot 9	spot 11	spot 19	spot 20	spot 22	spot 24	spot 32
Guanine nucleotide-binding protein G(i) subunit alpha-1 OS=Homo sapiens GN=GNAI1 PE=1 SV=2	sp|P63096|GNAI1_H	40 kDa				86%	100%					
Guanine nucleotide-binding protein G(i) subunit alpha-2 OS=Homo sapiens GN=GNAI2 PE=1 SV=3	sp|P04899|GNAI2_H	40 kDa					100%					
Guanine nucleotide-binding protein G(k) subunit alpha OS=Homo sapiens GN=GNAI3 PE=1 SV=3	sp|P08754|GNAI3_H	41 kDa					100%					
Ras-related protein Rab-10 OS=Homo sapiens GN=RAB10 PE=1 SV=1	sp|P61026|RAB10_H	23 kDa					100%					
Actin, aortic smooth muscle OS=Homo sapiens GN=ACTA2 PE=1 SV=1	sp|P62736|ACTA_HU	42 kDa				100%	100%			100%		
Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1	sp|P60709|ACTB_HU	42 kDa				100%	100%			100%		93%
Voltage-dependent anion-selective channel protein 1 OS=Homo sapiens GN=VDAC1 PE=1 SV=2	sp|P21796|VDAC1_H	31 kDa						87%	100%		100%	
Trypsin precursor cRAP	gi|136429|sp|P00761	24 kDa	100%	100%		100%	100%	100%	100%	100%	100%	100%
Stomatin-like protein 2 OS=Homo sapiens GN=STOML2 PE=1 SV=1	sp|Q9UJZ1|STML2_	39 kDa				100%	100%					
Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens GN=VDAC2 PE=1 SV=2	sp|P45880|VDAC2_H	32 kDa						100%	100%		100%	
Putative beta-actin-like protein 3 OS=Homo sapiens GN=POTEKP PE=5 SV=1	sp|Q9BYX7|ACTBM	42 kDa				100%	100%			92%		
Keratin, type I cytoskeletal 18 OS=Homo sapiens GN=KRT18 PE=1 SV=2	sp|P05783|K1C18_H	48 kDa				100%	100%					
Cathepsin D OS=Homo sapiens GN=CTSD PE=1 SV=1	sp|P07339|CATD_HU	45 kDa				100%	100%					
Cyclin-dependent kinase 1 OS=Homo sapiens GN=CDK1 PE=1 SV=3	sp|P06493|CDK1_HU	34 kDa									100%	
Electron transfer flavoprotein subunit alpha, mitochondrial OS=Homo sapiens GN=ETFA PE=1 SV=1	sp|P13804|ETFA_HU	35 kDa									100%	
Beta-actin-like protein 2 OS=Homo sapiens GN=ACTBL2 PE=1 SV=2	sp|Q562R1|ACTBL_	42 kDa					100%					

Tubulin alpha-1A chain OS=Homo sapiens GN=TUBA1A PE=1 SV=1	sp|Q71U36|TBA1A_	50 kDa			100%	100%				
Serpin B6 OS=Homo sapiens GN=SERPINB6 PE=1 SV=3	sp|P35237|SPB6_HU	43 kDa				100%				
HLA class I histocompatibility antigen, A-1 alpha chain OS=Homo sapiens GN=HLA-A PE=1 SV=1	sp|P30443|1A01_HU	41 kDa			100%	100%				
Prohibitin-2 OS=Homo sapiens GN=PHB2 PE=1 SV=2	sp|Q99623|PHB2_HU	33 kDa						100%		
SUMO-activating enzyme subunit 1 OS=Homo sapiens GN=SAE1 PE=1 SV=1	sp|Q9UBE0|SAE1_H	38 kDa				100%				
Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial OS=Homo sapiens GN=SUCLG2 PE=1 SV=2	sp|Q96I99|SUCB2_H	47 kDa				100%				
Guanine nucleotide-binding protein subunit beta-2-like 1 OS=Homo sapiens GN=GNB2L1 PE=1 SV=3	sp|P63244|GBLP_HU	35 kDa								100%
HLA class I histocompatibility antigen, B-7 alpha chain OS=Homo sapiens GN=HLA-B PE=1 SV=3	sp|P01889|1B07_HU	40 kDa			100%	100%				
Erlin-2 OS=Homo sapiens GN=ERLIN2 PE=1 SV=1	sp|O94905|ERLN2_H	38 kDa				100%				
L-lactate dehydrogenase A chain OS=Homo sapiens GN=LDHA PE=1 SV=2	sp|P00338|LDHA_H	37 kDa					87%	100%		78%
ATP synthase subunit gamma, mitochondrial OS=Homo sapiens GN=ATP5C1 PE=1 SV=1	sp|P36542|ATPG_HU	33 kDa						100%		100%
Keratin, type II cytoskeletal 8 OS=Homo sapiens GN=KRT8 PE=1 SV=7	sp|P05787|K2C8_HU	54 kDa			100%	100%				
Prostaglandin E synthase 2 OS=Homo sapiens GN=PTGES2 PE=1 SV=1	sp|Q9H7Z7|PGES2_H	42 kDa								100%
UBX domain-containing protein 1 OS=Homo sapiens GN=UBXN1 PE=1 SV=2	sp|Q04323|UBXN1_	33 kDa				100%				
Activator of 90 kDa heat shock protein ATPase homolog 1 OS=Homo sapiens GN=AHSA1 PE=1 SV=1	sp|O95433|AHSA1_H	38 kDa				100%				
4F2 cell-surface antigen heavy chain OS=Homo sapiens GN=SLC3A2 PE=1 SV=3	sp|P08195|4F2_HUM	68 kDa	100%							
Transferrin receptor protein 1 OS=Homo sapiens GN=TFRC PE=1 SV=2	sp|P02786|TFR1_HU	85 kDa	100%	100%						

Mitochondrial carrier homolog 2 OS=Homo sapiens GN=MTCH2 PE=1 SV=1	sp|Q9Y6C9|MTCH2_	33 kDa						100%		100%	
Basigin OS=Homo sapiens GN=BSG PE=1 SV=2	sp|P35613|BASI_HU	42 kDa				86%	100%				
Serotransferrin OS=Homo sapiens GN=TF PE=1 SV=3	sp|P02787|TRFE_HU	77 kDa		100%					92%		
Tropomodulin-3 OS=Homo sapiens GN=TMOD3 PE=1 SV=1	sp|Q9NYL9|TMOD3	40 kDa					100%				
Nuclear migration protein nudC OS=Homo sapiens GN=NUDC PE=1 SV=1	sp|Q9Y266|NUDC_H	38 kDa					100%				
Voltage-dependent anion-selective channel protein 3 OS=Homo sapiens GN=VDAC3 PE=1 SV=1	sp|Q9Y277|VDAC3_	31 kDa								100%	
Erlin-1 OS=Homo sapiens GN=ERLIN1 PE=1 SV=1	sp|O75477|ERLN1_H	39 kDa					100%				
Sodium/potassium-transporting ATPase subunit beta-3 OS=Homo sapiens GN=ATP1B3 PE=1 SV=1	sp|P54709|AT1B3_H	32 kDa				86%	100%				
Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial OS=Homo sapiens GN=HADH PE=1 SV=3	sp|Q16836|HCDH_H	34 kDa						100%			
Ubiquitin carboxyl-terminal hydrolase isozyme L5 OS=Homo sapiens GN=UCHL5 PE=1 SV=3	sp|Q9Y5K5|UCHL5_	38 kDa					100%				
Calcium-binding mitochondrial carrier protein SCaMC-1 OS=Homo sapiens GN=SLC25A24 PE=1 SV=2	sp|Q6NUK1|SCMC1	53 kDa					100%				
Large neutral amino acids transporter small subunit 1 OS=Homo sapiens GN=SLC7A5 PE=1 SV=2	sp|Q01650|LAT1_HU	55 kDa					100%				
CD166 antigen OS=Homo sapiens GN=ALCAM PE=1 SV=2	sp|Q13740|CD166_H	65 kDa	100%								
Protein arginine N-methyltransferase 1 OS=Homo sapiens GN=PRMT1 PE=1 SV=2	sp|Q99873|ANM1_H	42 kDa					100%				
D-beta-hydroxybutyrate dehydrogenase, mitochondrial OS=Homo sapiens GN=BDH1 PE=1 SV=3	sp|Q02338|BDH_HU	38 kDa								100%	
HLA class I histocompatibility antigen, A-2 alpha chain OS=Homo sapiens GN=HLA-A PE=1 SV=1	sp|P01892|1A02_HU	41 kDa				86%	100%				

DNA-directed RNA polymerases I and III subunit RPAC1 OS=Homo sapiens GN=POLR1C PE=1 SV=1	sp|O15160|RPAC1_H	39 kDa			100%			
Lysosome-associated membrane glycoprotein 1 OS=Homo sapiens GN=LAMP1 PE=1 SV=3	sp|P11279|LAMP1_H	45 kDa	100%					
Protein phosphatase 1A OS=Homo sapiens GN=PPM1A PE=1 SV=1	sp|P35813|PPM1A_H	42 kDa			100%			
Guanine nucleotide-binding protein G(q) subunit alpha OS=Homo sapiens GN=GNAQ PE=1 SV=4	sp|P50148|GNAQ_H	42 kDa			100%			
Nucleoporin Nup43 OS=Homo sapiens GN=NUP43 PE=1 SV=1	sp|Q8NFH3|NUP43_	42 kDa			100%			
Testisin OS=Homo sapiens GN=PRSS21 PE=2 SV=1	sp|Q9Y6M0|TEST_H	35 kDa						100%
Four and a half LIM domains protein 2 OS=Homo sapiens GN=FHL2 PE=1 SV=3	sp|Q14192|FHL2_HU	32 kDa						100%
Myelin protein zero-like protein 1 OS=Homo sapiens GN=MPZL1 PE=1 SV=1	sp|O95297|MPZL1_H	29 kDa			100%			
Heterogeneous nuclear ribonucleoprotein A1 OS=Homo sapiens GN=HNRNPA1 PE=1 SV=5	sp|P09651|ROA1_HU	39 kDa						100%
60 kDa heat shock protein, mitochondrial OS=Homo sapiens GN=HSPD1 PE=1 SV=2	sp|P10809|CH60_HU	61 kDa		100%				
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit OS=Homo sapiens GN=DDOST PE=1 SV=4	sp|P39656|OST48_H	51 kDa			100%			
Cell surface glycoprotein MUC18 OS=Homo sapiens GN=MCAM PE=1 SV=2	sp|P43121|MUC18_H	72 kDa	100%					
Immunoglobulin-binding protein 1 OS=Homo sapiens GN=IGBP1 PE=1 SV=1	sp|P78318|IGBP1_H	39 kDa			100%			
Proteasomal ubiquitin receptor ADRM1 OS=Homo sapiens GN=ADRM1 PE=1 SV=2	sp|Q16186|ADRM1_	42 kDa		100%				
L-lactate dehydrogenase A-like 6A OS=Homo sapiens GN=LDHAL6A PE=2 SV=1	sp|Q6ZMR3|LDH6A	37 kDa				100%		
DDRGK domain-containing protein 1 OS=Homo sapiens GN=DDRGK1 PE=1 SV=2	sp|Q96HY6|DDRGK	36 kDa		100%				
Oxidoreductase HTATIP2 OS=Homo sapiens GN=HTATIP2 PE=1 SV=2	sp|Q9BUP3|HTAI2_H	27 kDa						100%
Hsp70-binding protein 1 OS=Homo sapiens GN=HSPBP1 PE=1 SV=1	sp|Q9NZL4|HPBP1_	39 kDa			100%			