

Supplemental Table 2

Breast Cancer Membrane, Samples Report created on 11/30/2008

| # | Identified Proteins (420) | Accession Number | M W | MCF-7 | MDA-MB-231 | MDA-MB-453 | MDA-MB-468 |
|----|--|------------------------------------|---------|-------|------------|------------|------------|
| 1 | H2B histone family, member C | gi 4504259 ref NP_003510.1 H2B | 14 kDa | 163 | 114 | 192 | 276 |
| 2 | H4 histone family, member A | gi 4504301 ref NP_003529.1 H4 h | 11 kDa | 177 | 140 | 136 | 252 |
| 3 | beta-tubulin - human | gi 2119276 pir 38369 beta-tubulin | 49 kDa | 123 | 134 | 180 | 117 |
| 4 | keratin 8 | gi 4504919 ref NP_002264.1 kera | 54 kDa | 304 | 55 | 77 | 40 |
| 5 | vimentin | gi 62414289 ref NP_003371.2 vim | 54 kDa | 0 | 473 | 0 | 0 |
| 6 | heat shock 70kDa protein 5 | gi 16507237 ref NP_005338.1 hea | 72 kDa | 123 | 141 | 89 | 103 |
| 7 | heterogeneous nuclear ribonucleoprotein A2/B1 iso | gi 14043072 ref NP_112533.1 het | 37 kDa | 105 | 56 | 136 | 156 |
| 8 | chaperonin | gi 31542947 ref NP_002147.2 cha | 61 kDa | 113 | 33 | 151 | 122 |
| 9 | H2A histone family, member A | gi 10645195 ref NP_066390.1 H2 | 14 kDa | 118 | 105 | 98 | 89 |
| 10 | heat shock 70kDa protein 8 isoform 1 | gi 5729877 ref NP_006588.1 heat | 71 kDa | 109 | 96 | 110 | 91 |
| 11 | valosin-containing protein | gi 6005942 ref NP_009057.1 valos | 89 kDa | 48 | 74 | 138 | 137 |
| 12 | tubulin alpha 6 | gi 14389309 ref NP_116093.1 tub | 50 kDa | 78 | 119 | 118 | 58 |
| 13 | Chain A, Cyclophilin A Complexed With Dipeptide | gi 1633054 pdb 5CYH A Chain A, C | 18 kDa | 68 | 68 | 81 | 126 |
| 14 | myosin, heavy polypeptide 9, non-muscle | gi 12667788 ref NP_002464.1 my | 227 kDa | 3 | 196 | 78 | 58 |
| 15 | Actin IN Complex With Human Gelsolin Segment | gi 7245526 pdb 1DEJ A Chain A, C | 42 kDa | 67 | 45 | 73 | 128 |
| 16 | Keratin, type I cytoskeletal 19 | gi 90111766 sp P08727 K1C19_H | 44 kDa | 115 | 25 | 74 | 86 |
| 17 | The Two Rna-Recognition Motif Domain Of Hnmp | gi 20664272 pdb 1L3K A Chain A, | 22 kDa | 87 | 70 | 77 | 89 |
| 18 | glyceraldehyde-3-phosphate dehydrogenase | gi 7669492 ref NP_002037.2 glyce | 36 kDa | 90 | 64 | 88 | 53 |
| 19 | heterogeneous nuclear ribonucleoprotein K | gi 13384620 ref NP_079555.1 het | 51 kDa | 78 | 57 | 67 | 83 |
| 20 | Vitamin D-Binding Protein In Complex With Skeleta | gi 21730554 pdb 1KXP A Chain A, | 42 kDa | 50 | 59 | 51 | 106 |
| 21 | nucleolin | gi 55956788 ref NP_005372.2 nuc | 77 kDa | 65 | 44 | 82 | 55 |
| 22 | Fatty acid synthase S-acetyltransferase | gi 67476453 sp P49327 FAS_HUM | 273 kDa | 86 | 17 | 111 | 32 |
| 23 | keratin 18 | gi 4557888 ref NP_000215.1 kera | 48 kDa | 150 | 35 | 29 | 20 |
| 24 | Filamin-A | gi 116241365 sp P21333 FLNA_H | 281 kDa | 0 | 40 | 95 | 99 |
| 25 | ATP synthase, H+ transporting, | gi 32189394 ref NP_001677.2 AT | 57 kDa | 85 | 27 | 80 | 28 |
| 26 | H3 histone, family 3A | gi 4504279 ref NP_002098.1 H3 h | 15 kDa | 46 | 39 | 40 | 96 |
| 27 | ribosomal protein L4 | gi 16579885 ref NP_000959.2 rib | 48 kDa | 83 | 52 | 29 | 60 |
| 28 | heat shock 90kDa protein 1 | gi 20149594 ref NP_031381.2 hea | 83 kDa | 74 | 48 | 55 | 37 |
| 29 | nucleophosmin 1 isoform 1 | gi 10835063 ref NP_002511.1 nuc | 33 kDa | 67 | 45 | 35 | 60 |
| 30 | Heterogeneous nuclear ribonucleoprotein U | gi 126302554 sp Q00839 HNRPU | 91 kDa | 57 | 34 | 55 | 61 |
| 31 | pyruvate kinase 3 isoform 1 | gi 33286418 ref NP_002645.3 pyr | 58 kDa | 54 | 105 | 21 | 28 |
| 32 | annexin A2 isoform 2 | gi 4757756 ref NP_004030.1 anne | 39 kDa | 4 | 117 | 29 | 59 |
| 33 | ribosomal protein S7 | gi 4506741 ref NP_001002.1 ribos | 22 kDa | 60 | 53 | 38 | 52 |
| 34 | lamin A/C isoform 1 precursor | gi 27436946 ref NP_733821.1 lam | 74 kDa | 38 | 56 | 39 | 56 |
| 35 | eukaryotic translation elongation factor 1 alpha | gi 4503471 ref NP_001393.1 euka | 50 kDa | 19 | 60 | 57 | 40 |
| 36 | heat shock 27kDa protein 1 | gi 4504517 ref NP_001531.1 heat | 23 kDa | 118 | 16 | 16 | 18 |
| 37 | heterogeneous nuclear ribonucleoprotein A3 | gi 34740329 ref NP_919223.1 het | 40 kDa | 29 | 31 | 47 | 62 |
| 38 | Aldolase A | gi 229674 pdb 1ALD Chain , Ald | 39 kDa | 45 | 16 | 79 | 19 |
| 39 | Human mRNA, complete cds | gi 348239 gb AAC37578.1 [Hum | 54 kDa | 29 | 25 | 46 | 55 |
| 40 | ribosomal protein P2 | gi 4506671 ref NP_000995.1 ribos | 12 kDa | 51 | 39 | 37 | 27 |
| 41 | H2A histone family member | gi 18105045 ref NP_542163.1 H2 | 14 kDa | 32 | 34 | 29 | 54 |
| 42 | ribosomal protein L7 | gi 15431301 ref NP_000962.2 rib | 29 kDa | 51 | 30 | 31 | 36 |
| 43 | ribosomal protein L8 | gi 4506663 ref NP_000964.1 ribos | 28 kDa | 51 | 28 | 20 | 39 |
| 44 | heterogeneous nuclear ribonucleoprotein C isoform | gi 117189975 ref NP_112604.2 he | 34 kDa | 33 | 24 | 35 | 49 |
| 45 | H2A histone family, member Z | gi 4504255 ref NP_002097.1 H2A | 14 kDa | 14 | 24 | 43 | 55 |
| 46 | heterogeneous nuclear ribonucleoprotein C-like 1 | gi 61966711 ref NP_001013653.1 | 32 kDa | 36 | 19 | 33 | 53 |
| 47 | heat shock 70kDa protein 2 | gi 13676857 ref NP_068814.2 hea | 70 kDa | 39 | 25 | 40 | 35 |
| 48 | tubulin, beta 4 | gi 21361322 ref NP_006078.2 tub | 50 kDa | 31 | 36 | 41 | 23 |
| 49 | myosin, light chain 6, | gi 17986258 ref NP_066299.2 my | 17 kDa | 11 | 53 | 34 | 31 |
| 50 | Peptidyl-prolyl cis-trans isomerase B | gi 118090 sp P23284 PPIB_HUMA | 23 kDa | 41 | 15 | 42 | 31 |
| 51 | heterogeneous nuclear ribonucleoprotein D isoform | gi 14110420 ref NP_112738.1 het | 38 kDa | 25 | 33 | 38 | 31 |
| 52 | protein disulfide isomerase-associated 3 precursor | gi 21361657 ref NP_005304.3 pro | 57 kDa | 19 | 13 | 56 | 37 |
| 53 | Plectin-1 (PLTN) (PCN)] | gi 134044255 sp Q15149 PLEC1 | ? | 3 | 110 | 10 | 0 |
| 54 | heterogeneous nuclear ribonucleoprotein R | gi 5031755 ref NP_005817.1 hete | 71 kDa | 28 | 24 | 25 | 44 |
| 55 | histone cluster 1, H1a | gi 4885373 ref NP_005316.1 histo | 22 kDa | 35 | 29 | 17 | 33 |
| 56 | cofilin 1 | gi 5031635 ref NP_005498.1 cofil | 19 kDa | 13 | 24 | 50 | 27 |
| 57 | eukaryotic translation elongation factor 1 delta | gi 25453472 ref NP_001951.2 euk | 31 kDa | 21 | 36 | 33 | 27 |
| 58 | ribosomal protein S3a | gi 4506723 ref NP_000997.1 ribos | 30 kDa | 42 | 24 | 23 | 28 |
| 59 | D- Glyceraldehyde-3-Phosphate Dehydrogenase | gi 230867 pdb 3GPD R Chain R, T | 36 kDa | 33 | 25 | 31 | 23 |
| 60 | heterogeneous nuclear ribonucleoprotein M isoform | gi 14141152 ref NP_005959.2 het | 78 kDa | 29 | 18 | 35 | 31 |
| 61 | actinin, alpha 1 | gi 4501891 ref NP_001093.1 actin | 103 kDa | 12 | 45 | 31 | 24 |
| 62 | solute carrier family 3 | gi 61744483 ref NP_001013269.1 | 58 kDa | 101 | 5 | 0 | 3 |
| 63 | Heat shock 70 kDa protein 1 | gi 147744565 sp P08107 HSP71_H | 70 kDa | 54 | 8 | 24 | 24 |
| 64 | ribosomal protein S4, X-linked X isoform | gi 4506725 ref NP_000998.1 ribos | 30 kDa | 29 | 39 | 16 | 29 |
| 65 | prolyl 4-hydroxylase, beta | gi 20070125 ref NP_000909.2 pro | 57 kDa | 24 | 20 | 38 | 24 |
| 66 | ribosomal protein L24 | gi 4506619 ref NP_000977.1 ribos | 18 kDa | 24 | 23 | 26 | 34 |
| 67 | glial fibrillary acidic protein | gi 4503979 ref NP_002046.1 glial | 50 kDa | 94 | 0 | 6 | 4 |
| 68 | calnexin precursor | gi 10716563 ref NP_001737.1 caln | 68 kDa | 32 | 34 | 16 | 19 |
| 69 | ribosomal protein S8 | gi 4506743 ref NP_001003.1 ribos | 24 kDa | 27 | 18 | 13 | 38 |

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|-----|---|------------------------------------|-------|---------|----|----|----|----|
| 70 | ribosomal protein S6 | gi 6677809 ref NP_033122.1 | ribos | 29 kDa | 19 | 20 | 21 | 37 |
| 71 | heat shock 70kDa protein 6] | gi 34419635 ref NP_002146.2 | hea | 71 kDa | 72 | 35 | 42 | 37 |
| 72 | ribosomal protein S5 | gi 13904870 ref NP_001000.2 | ribc | 23 kDa | 32 | 19 | 16 | 29 |
| 73 | transketolase | gi 4507521 ref NP_001055.1 | trans | 68 kDa | 19 | 17 | 38 | 18 |
| 74 | ribosomal protein S13 | gi 4506685 ref NP_001008.1 | ribos | 17 kDa | 27 | 24 | 14 | 30 |
| 75 | N-acetylglucosamine-specific receptor 1 precursor | gi 627551 pir A54770 N-acetylgluc | | 52 kDa | 12 | 11 | 39 | 32 |
| 76 | chaperonin containing TCP1 | gi 4502643 ref NP_001753.1 | chape | 58 kDa | 23 | 16 | 31 | 23 |
| 77 | ribophorin I precursor | gi 4506675 ref NP_002941.1 | ribop | 69 kDa | 21 | 21 | 20 | 31 |
| 78 | heat shock 70kDa protein 9B | gi 24234688 ref NP_004125.3 | hea | 74 kDa | 40 | 7 | 27 | 17 |
| 79 | ATP synthase, H+ transporting | gi 4757810 ref NP_004037.1 | ATP | 60 kDa | 25 | 8 | 38 | 18 |
| 80 | Muscle L-Lactate Dehydrogenase M Chain | gi 13786849 pdb 1110 A Chain A, H | | 37 kDa | 10 | 38 | 28 | 11 |
| 81 | ribosomal protein L10a | gi 13592009 ref NP_112327.1 | ribc | 25 kDa | 30 | 22 | 13 | 22 |
| 82 | Human Vimentin Coil 2b Fragment | gi 20149836 pdb 1GK4 A Chain A, | | 10 kDa | 5 | 85 | 0 | 3 |
| 83 | Galectin-1 | gi 42542978 pdb 1GZV B Chain B | | 15 kDa | 4 | 57 | 18 | 5 |
| 84 | ribosomal protein L12 | gi 4506597 ref NP_000967.1 | ribos | 18 kDa | 28 | 16 | 15 | 23 |
| 85 | ribosomal protein L7a | gi 4506661 ref NP_000963.1 | ribos | 30 kDa | 32 | 23 | 11 | 17 |
| 86 | HSP 90-alpha (HSP 86) | gi 92090606 sp P07900 HS90A_H | | 85 kDa | 49 | 17 | 47 | 18 |
| 87 | Heterogeneous nuclear ribonucleoprotein L | gi 133274 sp P14866 HNRPL_HU | | 60 kDa | 27 | 6 | 22 | 27 |
| 88 | Heterogeneous nuclear ribonucleoprotein A/B | gi 33112434 sp Q99729 ROAA_HU | | 37 kDa | 30 | 10 | 28 | 14 |
| 89 | ribosomal protein S3 | gi 15718687 ref NP_000996.2 | ribc | 27 kDa | 26 | 10 | 23 | 19 |
| 90 | ribosomal protein S10 | gi 4506679 ref NP_001005.1 | ribos | 19 kDa | 28 | 24 | 14 | 15 |
| 91 | stress-induced-phosphoprotein 1 (Hsp70/Hsp90-o | gi 5803181 ref NP_006810.1 | stres | 63 kDa | 28 | 10 | 24 | 18 |
| 92 | H2B histone family, member R | gi 20336754 ref NP_066402.2 | H2B | 14 kDa | 17 | 27 | 13 | 20 |
| 93 | ribosomal protein L18 | gi 4506607 ref NP_000970.1 | ribos | 22 kDa | 21 | 19 | 13 | 23 |
| 94 | poly A binding protein, cytoplasmic 4 | gi 4504715 ref NP_003810.1 | poly | 71 kDa | 21 | 17 | 13 | 26 |
| 95 | tumor rejection antigen (gp96) 1 | gi 4507677 ref NP_003290.1 | tumc | 92 kDa | 16 | 28 | 14 | 20 |
| 96 | ribosomal protein L17 | gi 4506617 ref NP_000976.1 | ribos | 21 kDa | 25 | 14 | 9 | 30 |
| 97 | small nuclear ribonucleoprotein polypeptide N | gi 4507135 ref NP_003088.1 | smal | 25 kDa | 20 | 16 | 17 | 23 |
| 98 | enolase 1 | gi 4503571 ref NP_001419.1 | enol | 47 kDa | 8 | 36 | 18 | 12 |
| 99 | Far upstream element-binding protein 2 | gi 37078468 sp Q92945 FUBP2_H | | 73 kDa | 20 | 14 | 30 | 6 |
| 100 | ribosomal protein L23 | gi 4506605 ref NP_000969.1 | ribos | 15 kDa | 24 | 19 | 9 | 18 |
| 101 | leucine rich repeat containing 59 | gi 40254924 ref NP_060979.2 | leuc | 35 kDa | 21 | 24 | 19 | 8 |
| 102 | ribosomal protein P1 isoform 1 | gi 4506669 ref NP_000994.1 | ribos | 12 kDa | 22 | 11 | 23 | 11 |
| 103 | ribosomal protein S18 | gi 6755368 ref NP_035426.1 | ribos | 18 kDa | 21 | 16 | 18 | 15 |
| 104 | chaperonin containing TCP1 | gi 63162572 ref NP_005989.3 | chape | 61 kDa | 16 | 12 | 25 | 16 |
| 105 | matrin 3 | gi 21626466 ref NP_061322.2 | ma | 95 kDa | 20 | 7 | 27 | 12 |
| 106 | interleukin enhancer binding factor 3 isoform a | gi 24234750 ref NP_036350.1 | inte | 95 kDa | 14 | 13 | 13 | 27 |
| 107 | heterogeneous nuclear ribonucleoprotein D-like | gi 14110407 ref NP_112740.1 | het | 46 kDa | 24 | 29 | 29 | 36 |
| 108 | Talin-1 | gi 81175200 sp Q9Y490 TLN1_HU | | 270 kDa | 0 | 34 | 10 | 28 |
| 109 | Malate dehydrogenase, mitochondrial precursor | gi 6648067 sp P40926 MDHM_HU | | 36 kDa | 44 | 3 | 15 | 4 |
| 110 | Cytokeratin-7 | gi 20178293 sp P08729 K2C7_HU | | 51 kDa | 0 | 16 | 26 | 25 |
| 111 | ribosomal protein S17 | gi 4506693 ref NP_001012.1 | ribos | 16 kDa | 13 | 16 | 15 | 20 |
| 112 | voltage-dependent anion channel 1 | gi 4507879 ref NP_003365.1 | volta | 31 kDa | 21 | 9 | 18 | 14 |
| 113 | chaperonin containing TCP1 | gi 48762932 ref NP_006576.2 | chape | 60 kDa | 16 | 16 | 16 | 16 |
| 114 | ribosomal protein S15 | gi 4506687 ref NP_001009.1 | ribos | 17 kDa | 9 | 13 | 30 | 8 |
| 115 | Spectrin alpha | gi 94730425 sp Q13813 SPTA2_H | | 285 kDa | 8 | 32 | 8 | 16 |
| 116 | prohibitin 2 | gi 6005854 ref NP_009204.1 | proh | 33 kDa | 28 | 9 | 20 | 3 |
| 117 | ribosomal protein S2 | gi 15055539 ref NP_002943.2 | ribc | 31 kDa | 20 | 17 | 14 | 11 |
| 118 | Alpha-enolase, lung specific | gi 729422 sp Q05524 ENO1B_HU | | 49 kDa | 12 | 16 | 16 | 16 |
| 119 | Filamin-B | gi 38257363 sp O75369 FLNB_HU | | 278 kDa | 3 | 48 | 7 | 9 |
| 120 | actinin, alpha 4 | gi 12025678 ref NP_004915.2 | acti | 105 kDa | 3 | 37 | 11 | 17 |
| 121 | CD44 antigen | gi 2507241 sp P16070 CD44_HUM | | 82 kDa | 0 | 30 | 0 | 33 |
| 122 | 60S ribosomal protein L14 | gi 1710488 sp P50914 RL14_HUM | | 23 kDa | 22 | 15 | 10 | 13 |
| 123 | glucose phosphate isomerase | gi 18201905 ref NP_000166.2 | gluc | 63 kDa | 12 | 8 | 25 | 15 |
| 124 | protein disulfide isomerase-associated 4 | gi 4758304 ref NP_004902.1 | prote | 73 kDa | 37 | 8 | 5 | 12 |
| 125 | ribosomal protein L13 | gi 15431295 ref NP_150254.1 | ribc | 24 kDa | 21 | 19 | 11 | 9 |
| 126 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 5 | gi 4758138 ref NP_004387.1 | DEA | 69 kDa | 20 | 7 | 21 | 11 |
| 127 | chaperonin containing TCP1, | gi 5453607 ref NP_006420.1 | chape | 59 kDa | 12 | 12 | 20 | 14 |
| 128 | ribosomal protein L32 | gi 4506635 ref NP_000985.1 | ribos | 16 kDa | 21 | 12 | 8 | 19 |
| 129 | NS1-associated protein 1 isoform 2 isoform 8 | gi 109071945 ref XP_001089294.1 | | 70 kDa | 15 | 10 | 17 | 27 |
| 130 | ribosomal protein L21 | gi 18104948 ref NP_000973.2 | ribc | 19 kDa | 14 | 14 | 16 | 13 |
| 131 | S100 calcium binding protein A14 | gi 10190712 ref NP_065723.1 | S10 | 12 kDa | 15 | 0 | 28 | 13 |
| 132 | karyopherin beta 1 | gi 19923142 ref NP_002256.2 | kar | 97 kDa | 15 | 13 | 14 | 11 |
| 133 | inosine monophosphate dehydrogenase 2 | gi 66933016 ref NP_000875.2 | inos | 56 kDa | 12 | 11 | 28 | 3 |
| 134 | eukaryotic translation elongation factor 2 | gi 4503483 ref NP_001952.1 | euka | 95 kDa | 19 | 9 | 23 | 4 |
| 135 | stomatin isoform a | gi 38016911 ref NP_004090.4 | sto | 32 kDa | 5 | 0 | 51 | 0 |
| 136 | protein disulfide isomerase-associated 6 | gi 5031973 ref NP_005733.1 | prote | 48 kDa | 13 | 7 | 11 | 24 |
| 137 | ribosomal protein L38 | gi 4506645 ref NP_000990.1 | ribos | 8 kDa | 13 | 15 | 10 | 17 |
| 138 | ATP-dependent DNA helicase II | gi 4503841 ref NP_001460.1 | ATP | 70 kDa | 20 | 3 | 27 | 4 |
| 139 | histone cluster 1, H1b | gi 4885381 ref NP_005313.1 | histo | 23 kDa | 16 | 7 | 10 | 21 |
| 140 | ribosomal protein S24 isoform | gi 4506703 ref NP_001017.1 | ribos | 15 kDa | 15 | 9 | 19 | 12 |
| 141 | ribosomal protein S28 | gi 4506715 ref NP_001022.1 | ribos | 8 kDa | 21 | 10 | 13 | 8 |
| 142 | heat shock 10kDa protein 1 | gi 4504523 ref NP_002148.1 | heat | 11 kDa | 14 | 9 | 20 | 11 |

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|-----|---|-----------------------------------|---------|----|----|----|----|
| 143 | lamin B1 | gi 5031877 ref NP_005564.1 lamir | 66 kDa | 18 | 6 | 16 | 12 |
| 144 | ribosomal protein L22 proprotein | gi 4506613 ref NP_000974.1 ribos | 15 kDa | 11 | 11 | 10 | 20 |
| 145 | DEAD/H | gi 87196351 ref NP_001347.3 DE | 73 kDa | 10 | 11 | 19 | 13 |
| 146 | splicing factor proline/glutamine rich | gi 4826998 ref NP_005057.1 splic | 76 kDa | 12 | 5 | 23 | 14 |
| 147 | 80K-H protein | gi 182855 gb AA52493.1 80K-H | 59 kDa | 15 | 11 | 7 | 20 |
| 148 | chaperonin containing TCP1 | gi 5453603 ref NP_006422.1 chap | 57 kDa | 13 | 9 | 20 | 9 |
| 149 | dpy-30-like protein | gi 14211889 ref NP_115963.1 dpy | 11 kDa | 19 | 6 | 15 | 14 |
| 150 | thioredoxin peroxidase | gi 5453549 ref NP_006397.1 thior | 31 kDa | 16 | 12 | 11 | 14 |
| 151 | eukaryotic translation elongation factor 1 gamma | gi 4503481 ref NP_001395.1 euka | 50 kDa | 11 | 18 | 7 | 19 |
| 152 | Glucose 6-Phosphate Dehydrogenase | gi 7546523 pdb 1QK A Chain A, X | 59 kDa | 15 | 0 | 35 | 0 |
| 153 | ribosomal protein L27 | gi 4506623 ref NP_000979.1 ribos | 16 kDa | 13 | 13 | 12 | 9 |
| 154 | eukaryotic translation initiation factor 4A isoform 1 | gi 4503529 ref NP_001407.1 euka | 46 kDa | 16 | 13 | 10 | 9 |
| 155 | peroxiredoxin 2 isoform a | gi 32189392 ref NP_005800.3 per | 22 kDa | 21 | 4 | 22 | 3 |
| 156 | high-mobility group box 1 | gi 4504425 ref NP_002119.1 high | 25 kDa | 24 | 4 | 12 | 7 |
| 157 | histone H2A | gi 28195394 ref NP_778235.1 hist | 14 kDa | 10 | 3 | 29 | 5 |
| 158 | prohibitin | gi 4505773 ref NP_002625.1 proh | ? | 27 | 5 | 15 | 0 |
| 159 | peroxiredoxin 1 | gi 4505591 ref NP_002565.1 pero | 22 kDa | 12 | 6 | 14 | 15 |
| 160 | heterogeneous nuclear ribonucleoprotein H2 | gi 9624998 ref NP_062543.1 hete | 49 kDa | 13 | 10 | 13 | 11 |
| 161 | chaperonin containing TCP1 | gi 24307939 ref NP_036205.1 cha | 60 kDa | 13 | 10 | 19 | 5 |
| 162 | Na+/K+ -ATPase alpha 1 | gi 21361181 ref NP_000692.2 Na | 113 kDa | 4 | 23 | 5 | 18 |
| 163 | splicing factor, arginine/serine-rich 3 | gi 4506901 ref NP_003008.1 splic | 19 kDa | 9 | 5 | 18 | 14 |
| 164 | ELAV-like 1 | gi 38201714 ref NP_001410.2 ELA | 36 kDa | 11 | 9 | 13 | 9 |
| 165 | ribosomal protein L5 | gi 14591909 ref NP_000960.2 ribd | 34 kDa | 10 | 14 | 8 | 13 |
| 166 | ribosomal protein S21 | gi 4506699 ref NP_001015.1 ribos | 9 kDa | 12 | 7 | 12 | 13 |
| 167 | Enoyl-CoA hydratase, mitochondrial | gi 62906863 sp P30084 ECHM_HU | 31 kDa | 14 | 6 | 14 | 11 |
| 168 | proteasome alpha 7 subunit | gi 4506189 ref NP_002783.1 prote | 28 kDa | 7 | 21 | 7 | 8 |
| 169 | heterogeneous nuclear ribonucleoprotein F | gi 4826760 ref NP_004957.1 hete | 46 kDa | 15 | 4 | 16 | 8 |
| 170 | polypyrimidine tract-binding protein 1 | gi 14165466 ref NP_114368.1 poly | 57 kDa | 14 | 8 | 10 | 11 |
| 171 | RNA binding motif protein, X-linked | gi 56699409 ref NP_002130.2 RN | 42 kDa | 8 | 3 | 11 | 21 |
| 172 | ribosomal protein S23 | gi 4506701 ref NP_001016.1 ribos | 16 kDa | 7 | 9 | 12 | 16 |
| 173 | poly(A) binding protein, cytoplasmic 3 | gi 45238849 ref NP_112241.2 poly | 70 kDa | 15 | 11 | 11 | 9 |
| 174 | ribosomal protein S11 | gi 4506681 ref NP_001006.1 ribos | 18 kDa | 11 | 13 | 5 | 13 |
| 175 | ribosomal protein L30 | gi 4506631 ref NP_000980.1 ribos | 13 kDa | 17 | 8 | 3 | 18 |
| 176 | Voltage-dependent anion-selective channel protein | gi 1172554 sp P45880 VDAC2_HU | 38 kDa | 12 | 7 | 6 | 18 |
| 177 | ribosomal protein L6 | gi 16753227 ref NP_000961.2 ribd | 33 kDa | 16 | 6 | 11 | 11 |
| 178 | ribosomal protein L11 | gi 13385408 ref NP_080195.1 ribd | 20 kDa | 7 | 14 | 7 | 17 |
| 179 | phosphoglycerate kinase 1 | gi 4505763 ref NP_000282.1 phos | 45 kDa | 3 | 17 | 14 | 9 |
| 180 | ribosomal protein L13a | gi 6912634 ref NP_036555.1 ribos | 24 kDa | 12 | 12 | 9 | 8 |
| 181 | anterior gradient 2 homolog | gi 5453541 ref NP_006399.1 ante | 20 kDa | 3 | 0 | 37 | 3 |
| 182 | Profilin | gi 3891601 pdb 1AW A Chain A, H | 15 kDa | 8 | 18 | 9 | 11 |
| 183 | hypothetical protein DKFZp762H157.1 | gi 11276938 pir T47177 hypothetic | 74 kDa | 4 | 8 | 22 | 8 |
| 184 | ribosomal protein L27a | gi 4506625 ref NP_000981.1 ribos | 17 kDa | 13 | 14 | 4 | 9 |
| 185 | eIF-5A2 protein | gi 9966867 ref NP_065123.1 eIF-5 | 17 kDa | 20 | 7 | 6 | 6 |
| 186 | endoplasmic reticulum protein 29 isoform 1 | gi 5803013 ref NP_006808.1 endo | 29 kDa | 10 | 3 | 16 | 11 |
| 187 | Mg-ATP Actin Complexed Gelsolin | gi 14278147 pdb 1D4X A Chain A, | 42 kDa | 4 | 6 | 14 | 14 |
| 188 | Galectin-3 | gi 126678 sp P17931 LEG3_HUM | 26 kDa | 0 | 22 | 7 | 17 |
| 189 | serine (or cysteine) proteinase inhibitor, clade H, m | gi 32454741 ref NP_001226.2 ser | 46 kDa | 9 | 12 | 10 | 7 |
| 190 | chaperonin containing TCP1, subunit 4 | gi 38455427 ref NP_006421.2 cha | 58 kDa | 6 | 9 | 16 | 6 |
| 191 | creatine kinase, mitochondrial 1B | gi 10334859 ref NP_066270.1 cre | 47 kDa | 3 | 0 | 32 | 0 |
| 192 | calreticulin precursor | gi 4757900 ref NP_004334.1 calre | 48 kDa | 6 | 9 | 12 | 10 |
| 193 | Lamin AC | gi 23200154 pdb 1IVT A Chain A, | 14 kDa | 11 | 11 | 6 | 7 |
| 194 | solute carrier family 25, member 5 | gi 4502099 ref NP_001143.1 solut | 33 kDa | 10 | 0 | 7 | 21 |
| 195 | ribosomal protein S14 | gi 5032051 ref NP_005608.1 ribos | 16 kDa | 10 | 9 | 10 | 5 |
| 196 | mitochondrial ribosomal protein L12 | gi 27436901 ref NP_002940.2 mit | 21 kDa | 10 | 6 | 13 | 5 |
| 197 | ribosomal protein L35 | gi 6005860 ref NP_009140.1 ribos | 15 kDa | 4 | 12 | 5 | 12 |
| 198 | Eukaryotic translation initiation factor 4 gamma 1 | gi 41019505 sp Q04637 IF4G1_HU | 176 kDa | 9 | 4 | 13 | 5 |
| 199 | eukaryotic translation elongation factor 1 beta 2 | gi 4503477 ref NP_001950.1 euka | 25 kDa | 3 | 10 | 15 | 5 |
| 200 | ribosomal protein S19 | gi 4506695 ref NP_001013.1 ribos | ? | 7 | 11 | 11 | 8 |
| 201 | ribosomal protein L26 | gi 4506621 ref NP_000978.1 ribos | 17 kDa | 9 | 9 | 6 | 10 |
| 202 | THO complex 4 | gi 55770864 ref NP_005773.2 TH | 27 kDa | 10 | 4 | 13 | 6 |
| 203 | Poly [ADP-ribose] polymerase 1 | gi 130781 sp P09874 PARP1_HUM | 113 kDa | 3 | 3 | 22 | 7 |
| 204 | ubiquitin and ribosomal protein S27 | gi 4506713 ref NP_002945.1 ubiq | 18 kDa | 5 | 15 | 7 | 9 |
| 205 | S100 calcium binding protein A16 | gi 17933772 ref NP_525127.1 S10 | 12 kDa | 3 | 0 | 27 | 4 |
| 206 | phosphoribosylaminoimidazole carboxylase, phos | gi 5453539 ref NP_006443.1 phos | 47 kDa | 12 | 6 | 7 | 7 |
| 207 | small nuclear ribonucleoprotein polypeptide D3 | gi 4759160 ref NP_004166.1 smal | 14 kDa | 9 | 6 | 9 | 8 |
| 208 | cytochrome c oxidase subunit Va precursor | gi 4758038 ref NP_004246.1 cyto | 17 kDa | 14 | 4 | 5 | 11 |
| 209 | ribosomal protein S16 | gi 4506691 ref NP_001011.1 ribos | 16 kDa | 16 | 5 | 8 | 8 |
| 210 | ribosomal protein L28 | gi 13904866 ref NP_000982.2 ribd | 16 kDa | 7 | 15 | 4 | 9 |
| 211 | ribosomal protein L23a | gi 17105394 ref NP_000975.2 ribd | 18 kDa | 9 | 4 | 7 | 13 |
| 212 | splicing factor, arginine/serine-rich 1 isoform 1 | gi 5902076 ref NP_008855.1 splic | ? | 7 | 5 | 14 | 8 |
| 213 | ribosomal protein S15a | gi 14165469 ref NP_001010.2 ribd | 15 kDa | 9 | 9 | 8 | 4 |
| 214 | cathepsin D preproprotein | gi 4503143 ref NP_001900.1 cathy | ? | 13 | 11 | 7 | 0 |
| 215 | 40S ribosomal protein S12 | gi 133742 sp P25398 RS12_HUM | 15 kDa | 9 | 7 | 5 | 10 |

| | | | | | | | | |
|-----|---|-----------------------------------|--------|---------|----|----|----|----|
| 216 | ribosomal protein S25 | gi 4506707 ref NP_001019.1 | ribos | 14 kDa | 5 | 11 | 9 | 7 |
| 217 | tubulin, beta, 2 | gi 5174735 ref NP_006079.1 | tubu | 50 kDa | 9 | 7 | 13 | 0 |
| 218 | vesicle-associated membrane protein-associated p | gi 94721252 ref NP_919415.2 | ves | 28 kDa | 7 | 9 | 4 | 15 |
| 219 | clathrin heavy chain 1 | gi 4758012 ref NP_004850.1 | clath | 192 kDa | 4 | 13 | 10 | 3 |
| 220 | Na+/K+ -ATPase alpha 2 | gi 4502271 ref NP_000693.1 | Na+ | 112 kDa | 3 | 11 | 6 | 12 |
| 221 | glycoprotein, synaptic 2 | gi 24475816 ref NP_612510.1 | glyc | 36 kDa | 0 | 10 | 3 | 18 |
| 222 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 21 | gi 50659095 ref NP_004719.2 | DE | ? | 20 | 3 | 3 | 8 |
| 223 | tumor protein D52-like 2 isoform e | gi 40805860 ref NP_003279.2 | tum | 22 kDa | 4 | 15 | 4 | 6 |
| 224 | proteasome 26S ATPase subunit 6 | gi 24430160 ref NP_002797.2 | pro | 44 kDa | 7 | 8 | 10 | 4 |
| 225 | heterogeneous nuclear ribonucleoprotein H3 isoform | gi 14141157 ref NP_036339.1 | het | 37 kDa | 11 | 4 | 6 | 7 |
| 226 | T-complex protein 1 isoform a | gi 57863257 ref NP_110379.2 | T-c | 60 kDa | 5 | 6 | 12 | 7 |
| 227 | SERPINE1 mRNA binding protein 1 isoform 1 | gi 66346679 ref NP_001018077.1 | | 45 kDa | 9 | 4 | 10 | 4 |
| 228 | RAB1B, member RAS oncogene family | gi 13569962 ref NP_112243.1 | RA | 22 kDa | 6 | 3 | 16 | 3 |
| 229 | ribosomal protein L10 | gi 13592053 ref NP_112362.1 | ribc | 25 kDa | 12 | 7 | 4 | 3 |
| 230 | proteasome 26S ATPase subunit 3 | gi 21361144 ref NP_002795.2 | pro | 49 kDa | 6 | 8 | 9 | 5 |
| 231 | ribosomal protein SA | gi 9845502 ref NP_002286.2 | ribos | 33 kDa | 8 | 4 | 11 | 5 |
| 232 | ribosomal protein L3 isoform a | gi 4506649 ref NP_000958.1 | ribos | 46 kDa | 7 | 6 | 6 | 7 |
| 233 | pigpen | gi 20982845 ref NP_631888.1 | pigp | 53 kDa | 6 | 3 | 11 | 8 |
| 234 | arginine/serine-rich splicing factor 6 | gi 20127499 ref NP_006266.2 | arg | 40 kDa | 7 | 5 | 8 | 8 |
| 235 | pinin, desmosome associated protein | gi 33356174 ref NP_002678.2 | pin | 82 kDa | 9 | 0 | 12 | 4 |
| 236 | Bifunctional aminoacyl-tRNA synthetase | gi 135104 sp P07814 SYEP_HUM | | 163 kDa | 6 | 5 | 7 | 10 |
| 237 | ribosomal protein S26 | gi 6981488 ref NP_037356.1 | ribos | 13 kDa | 6 | 7 | 5 | 9 |
| 238 | Splicing factor 3B subunit 2 | gi 2498883 sp Q13435 SF3B2_HU | | 98 kDa | 9 | 5 | 7 | 6 |
| 239 | tropomyosin 3 | gi 58652133 ref NP_001011674.1 | | 33 kDa | 5 | 4 | 5 | 15 |
| 240 | Transferrin Receptor | gi 6137581 pdb 1CX8 A Chain A, C | | 72 kDa | 4 | 9 | 13 | 3 |
| 241 | mitochondrial ATP synthase, O subunit precursor | gi 4502303 ref NP_001688.1 | mito | 23 kDa | 10 | 0 | 12 | 3 |
| 242 | Rap1a, Residues 1-167, | gi 1942609 pdb 1GUA A Chain A, I | | 19 kDa | 9 | 7 | 6 | 3 |
| 243 | annexin 5 | gi 4502107 ref NP_001145.1 | anne | 36 kDa | 3 | 12 | 9 | 3 |
| 244 | Splicing factor 3B subunit 1 | gi 15214275 sp Q75533 SF3B1_H | | 146 kDa | 11 | 4 | 8 | 4 |
| 245 | histone cluster 1, H1d | gi 4885377 ref NP_005311.1 | histo | 22 kDa | 6 | 6 | 10 | 4 |
| 246 | Putative S100 calcium-binding protein H | gi 13431875 sp Q9UDP3 S11Y_HU | | 12 kDa | 7 | 10 | 7 | 4 |
| 247 | ATP citrate lyase isoform 1 | gi 38569421 ref NP_001087.2 | AT | 121 kDa | 7 | 7 | 12 | 0 |
| 248 | ATP-dependent DNA helicase II | gi 10863945 ref NP_066964.1 | AT | 83 kDa | 14 | 3 | 8 | 3 |
| 249 | flotillin 1 | gi 5031699 ref NP_005794.1 | flotil | 47 kDa | 7 | 11 | 7 | 3 |
| 250 | poly(rC) binding protein 1 | gi 6754994 ref NP_035995.1 | poly | 37 kDa | 6 | 3 | 9 | 7 |
| 251 | solute carrier family 25 | gi 55749577 ref NP_001142.2 | sol | 33 kDa | 5 | 4 | 8 | 7 |
| 252 | myosin regulatory light chain MRCL3 | gi 5453740 ref NP_006462.1 | myos | 20 kDa | 0 | 14 | 4 | 7 |
| 253 | ribosomal protein P0 | gi 4506667 ref NP_000993.1 | ribos | 34 kDa | 10 | 5 | 9 | 6 |
| 254 | RNA helicase A | gi 1082769 pir JA47363 RNA helica | | 142 kDa | 9 | 0 | 13 | 3 |
| 255 | cytoskeleton-associated protein 4 | gi 19920317 ref NP_006816.2 | cyt | 66 kDa | 3 | 17 | 0 | 6 |
| 256 | phosphoglycerate dehydrogenase | gi 23308577 ref NP_006614.2 | phc | 57 kDa | 3 | 0 | 3 | 21 |
| 257 | Potassium-transporting ATPase alpha chain 2 | gi 20141250 sp P54707 AT12A_HU | | 116 kDa | 0 | 11 | 3 | 13 |
| 258 | keratin 17 | gi 4557701 ref NP_000413.1 | kerat | 48 kDa | 7 | 3 | 7 | 6 |
| 259 | tyrosine 3/tryptophan 5 -monooxygenase activatio | gi 4507953 ref NP_003397.1 | tyros | 28 kDa | 5 | 8 | 7 | 5 |
| 260 | small nuclear ribonucleoprotein D1 | gi 5902102 ref NP_008869.1 | smal | 13 kDa | 7 | 5 | 7 | 5 |
| 261 | ribosomal protein S9 | gi 14141193 ref NP_001004.2 | ribc | 23 kDa | 9 | 8 | 5 | 5 |
| 262 | RNA binding protein | gi 8051631 ref NP_057951.1 | RNA | 32 kDa | 3 | 6 | 7 | 7 |
| 263 | ribosomal protein L9 | gi 15431303 ref NP_000652.2 | ribc | 22 kDa | 6 | 7 | 4 | 7 |
| 264 | poly(A) binding protein, cytoplasmic 1 | gi 41386798 ref NP_776993.1 | pol | 71 kDa | 6 | 7 | 5 | 6 |
| 265 | Ribosome-binding protein 1 | gi 23822112 sp Q9P2E9 RRBP1_H | | 152 kDa | 3 | 10 | 6 | 5 |
| 266 | alpha glucosidase II alpha subunit isoform 2 | gi 38202257 ref NP_938148.1 | alp | 107 kDa | 4 | 3 | 6 | 10 |
| 267 | heterogeneous nuclear ribonucleoprotein A0 | gi 5803036 ref NP_006796.1 | hete | 31 kDa | 4 | 0 | 7 | 10 |
| 268 | spectrin, beta, non-erythrocytic 1 isoform 1 | gi 112382250 ref NP_003119.2 | sp | 275 kDa | 3 | 13 | 3 | 6 |
| 269 | splicing factor, arginine/serine-rich 9 | gi 4506903 ref NP_003760.1 | splic | 26 kDa | 6 | 3 | 12 | 3 |
| 270 | protein kinase, DNA-activated, | gi 13654237 ref NP_008835.5 | pro | 469 kDa | 8 | 3 | 3 | 5 |
| 271 | ErbB3-binding protein 1 | gi 124494254 ref NP_006182.2 | Er | 44 kDa | 11 | 3 | 4 | 3 |
| 272 | proteasome alpha 1 subunit isoform 2 | gi 4506179 ref NP_002777.1 | prote | 30 kDa | 8 | 7 | 0 | 4 |
| 273 | ATP synthase, H+ transporting, mitochondrial F0 | gi 5453559 ref NP_006347.1 | ATP | 18 kDa | 3 | 3 | 12 | 3 |
| 274 | mitochondrial trifunctional protein, alpha | gi 20127408 ref NP_000173.2 | mit | 83 kDa | 10 | 3 | 7 | 0 |
| 275 | bone marrow stromal cell antigen 2 | gi 4757876 ref NP_004326.1 | bone | 20 kDa | 10 | 3 | 6 | 0 |
| 276 | polymerase I and transcript release factor | gi 42734430 ref NP_036364.2 | pol | 43 kDa | 0 | 19 | 0 | 0 |
| 277 | Caprin-1 | gi 2498733 sp Q14444 CAPR1_HU | | 73 kDa | 5 | 3 | 4 | 9 |
| 278 | GTP-binding protein PTD004 isoform 1 | gi 58761500 ref NP_037473.3 | GT | 45 kDa | 3 | 3 | 11 | 3 |
| 279 | TBP-associated factor 15 isoform 1 | gi 21327701 ref NP_631961.1 | TBP | 62 kDa | 8 | 7 | 3 | 3 |
| 280 | DEK oncogene | gi 4503249 ref NP_003463.1 | DEK | 43 kDa | 4 | 10 | 0 | 5 |
| 281 | smooth muscle myosin heavy chain 11 isoform | gi 13124879 ref NP_002465.1 | sm | 227 kDa | 0 | 9 | 6 | 3 |
| 282 | hydroxysteroid (17-beta) dehydrogenase 4 | gi 4504505 ref NP_000405.1 | hydr | 80 kDa | 7 | 3 | 6 | 4 |
| 283 | heat shock 70kD protein binding protein | gi 19923193 ref NP_003923.2 | hea | 41 kDa | 3 | 0 | 13 | 6 |
| 284 | stonin 2 | gi 21361863 ref NP_149095.2 | sto | 101 kDa | 8 | 0 | 0 | 11 |
| 285 | ribosomal protein L36 | gi 16117794 ref NP_056229.2 | ribc | 12 kDa | 5 | 4 | 6 | 4 |
| 286 | splicing factor, arginine/serine-rich 7 | gi 72534660 ref NP_001026854.1 | | 27 kDa | 3 | 6 | 5 | 7 |
| 287 | Dihydrolypopylysine-residue succinyltransferase cor | gi 1709442 sp P36957 ODO2_HU | | 49 kDa | 5 | 5 | 8 | 0 |
| 288 | thioredoxin domain containing 5 isoform 1 | gi 42794771 ref NP_110437.2 | thio | 48 kDa | 6 | 3 | 6 | 8 |

| | | | | | | | |
|-----|--|-------------------------------------|---------|----|----|----|----|
| 289 | AHNAK nucleoprotein isoform 1 | gi 61743954 ref NP_001611.1 AH | 629 kDa | 0 | 25 | 0 | 0 |
| 290 | small inducible cytokine subfamily E, member 1 | gi 45006986 ref NP_004748.2 sma | 34 kDa | 7 | 3 | 3 | 4 |
| 291 | proteasome (prosome, macropain) subunit, alpha | gi 8394076 ref NP_058979.1 prote | 27 kDa | 5 | 6 | 0 | 6 |
| 292 | poly(rC) binding protein 2 | gi 61557337 ref NP_001013241.1 | 39 kDa | 6 | 4 | 7 | 0 |
| 293 | small nuclear ribonucleoprotein polypeptide D2 | gi 4759158 ref NP_004588.1 smal | 14 kDa | 5 | 3 | 5 | 7 |
| 294 | Dynactin subunit 2 | gi 22096346 sp Q13561 DCTN2_H | 44 kDa | 4 | 10 | 3 | 3 |
| 295 | ubiquinol-cytochrome c reductase core protein | gi 46593007 ref NP_003356.2 ubi | 53 kDa | 8 | 0 | 7 | 0 |
| 296 | Integrin beta-1 precursor | gi 124963 sp P05556 ITB1_HUMA | 88 kDa | 0 | 14 | 3 | 3 |
| 297 | Ras-GTPase-activating protein SH3-domain-binding | gi 5031703 ref NP_005745.1 Ras- | 52 kDa | 4 | 4 | 3 | 6 |
| 298 | U2 (RNU2) small nuclear RNA auxiliary factor 2 iso | gi 6005926 ref NP_009210.1 U2 (| 54 kDa | 5 | 3 | 5 | 4 |
| 299 | proteasome 26S non-ATPase subunit 7 | gi 25777615 ref NP_002802.2 pro | 37 kDa | 7 | 5 | 4 | 3 |
| 300 | tripartite motif-containing 28 protein | gi 5032179 ref NP_005753.1 tripa | ? | 6 | 0 | 6 | 4 |
| 301 | coronin, actin binding protein, 1B | gi 14149734 ref NP_065174.1 cor | 54 kDa | 4 | 3 | 9 | 3 |
| 302 | acetyl-Coenzyme A acetyltransferase 1 | gi 4557237 ref NP_000010.1 acety | 45 kDa | 0 | 11 | 5 | 0 |
| 303 | CD97 antigen isoform 1 precursor | gi 17978491 ref NP_510966.1 CD | 92 kDa | 0 | 15 | 0 | 0 |
| 304 | Heterogeneous nuclear ribonucleoprotein A1 | gi 133254 sp P09651 ROA1_HUM | 39 kDa | 0 | 0 | 13 | 3 |
| 305 | CD9 antigen | gi 4502693 ref NP_001760.1 CD9 | 25 kDa | 3 | 3 | 8 | 0 |
| 306 | nucleosome assembly protein 1-like 1 | gi 4758756 ref NP_004528.1 nucle | 45 kDa | 5 | 6 | 4 | 0 |
| 307 | protease (prosome, macropain) 26S subunit, ATPa | gi 6679501 ref NP_032973.1 prote | 49 kDa | 5 | 3 | 7 | 3 |
| 308 | nuclear mitotic apparatus protein 1 | gi 71361682 ref NP_006176.2 nuc | 238 kDa | 5 | 0 | 6 | 4 |
| 309 | ribosomal protein L35a | gi 16117791 ref NP_000987.2 ribo | 13 kDa | 4 | 3 | 6 | 6 |
| 310 | nucleolar and coiled-body phosphoprotein 1 | gi 148596949 ref NP_004732.2 nu | ? | 6 | 0 | 8 | 4 |
| 311 | barrier to autointegration factor 1 | gi 4502389 ref NP_003851.1 barrier | 10 kDa | 3 | 5 | 4 | 3 |
| 312 | Myosin-1 | gi 13638390 sp P12882 MYH1_HU | 223 kDa | 5 | 4 | 3 | 4 |
| 313 | ubiquinol-cytochrome c reductase hinge protein | gi 83627705 ref NP_005995.2 ubi | 11 kDa | 5 | 3 | 7 | 0 |
| 314 | LYRIC (Lysine-rich CEACAM1 co-isolated protein) | gi 56749088 sp Q86UE4 LYRIC_H | 64 kDa | 8 | 0 | 4 | 0 |
| 315 | triosephosphate isomerase 1 | gi 4507645 ref NP_000356.1 triose | 27 kDa | 6 | 6 | 4 | 0 |
| 316 | Fructose 1,6-bisphosphatase 1 | gi 1352403 sp P09467 F16P1_HU | ? | 11 | 0 | 0 | 0 |
| 317 | Epidermal Growth Factor And Receptor | gi 24987353 pdb 1IVO A Chain A, | 69 kDa | 0 | 0 | 0 | 12 |
| 318 | U5 snRNP-specific protein, 116 kD isoform 8 | gi 114666736 ref XP_001145980.1 | ? | 5 | 0 | 6 | 0 |
| 319 | eukaryotic translation initiation factor 2 beta | gi 29826335 ref NP_003899.2 euk | 38 kDa | 3 | 7 | 4 | 3 |
| 320 | dynein, cytoplasmic, heavy polypeptide 1 | gi 33350932 ref NP_001367.2 dyn | 532 kDa | 0 | 9 | 4 | 0 |
| 321 | RuvB-like 2 | gi 5730023 ref NP_006657.1 RuvB | 51 kDa | 8 | 0 | 4 | 0 |
| 322 | ATP-dependent RNA helicase DDX17 | gi 3122595 sp Q92841 DDX17_HU | 72 kDa | 3 | 3 | 7 | 6 |
| 323 | sarcomeric mitochondrial creatine kinase precursor | gi 153251982 ref NP_001816.2 sa | 48 kDa | 4 | 0 | 8 | 0 |
| 324 | mitochondrial trifunctional protein, | gi 4504327 ref NP_000174.1 mito | 51 kDa | 8 | 3 | 3 | 0 |
| 325 | eukaryotic translation elongation factor 1 alpha 2 | gi 4503475 ref NP_001949.1 euka | 50 kDa | 5 | 0 | 7 | 0 |
| 326 | S-adenosylhomocysteine hydrolase | gi 9951915 ref NP_000678.1 S-ad | 48 kDa | 4 | 5 | 8 | 0 |
| 327 | Histocompatibility Antigen A2 | gi 229994 pdb 1HLA A Chain A, Hu | 31 kDa | 0 | 11 | 0 | 0 |
| 328 | hypothetical protein LOC51493 | gi 7657015 ref NP_055121.1 hypo | 55 kDa | 4 | 0 | 6 | 3 |
| 329 | annexin VI isoform 1 | gi 71773329 ref NP_001146.2 anr | 76 kDa | 0 | 4 | 6 | 0 |
| 330 | LUC7-like 2 | gi 116812577 ref NP_057103.2 LU | 47 kDa | 6 | 3 | 4 | 0 |
| 331 | HLA-B associated transcript 1 | gi 4758112 ref NP_004631.1 HLA | 49 kDa | 0 | 3 | 3 | 7 |
| 332 | sequestosome 1 | gi 4505571 ref NP_003891.1 sequ | ? | 0 | 7 | 3 | 3 |
| 333 | calmodulin 2 | gi 4502549 ref NP_001734.1 calmo | 17 kDa | 5 | 0 | 6 | 0 |
| 334 | amily with sequence similarity 62 | gi 14149680 ref NP_056107.1 fam | 123 kDa | 5 | 6 | 0 | 3 |
| 335 | B-cell receptor-associated protein 31 | gi 32171186 ref NP_005736.3 B-c | 28 kDa | 4 | 3 | 6 | 4 |
| 336 | Dihydropyridyl dehydrogenase, | gi 118674 sp P09622 DLDP_HUM | ? | 9 | 0 | 3 | 0 |
| 337 | sulfide dehydrogenase like | gi 10864011 ref NP_067022.1 sulf | 50 kDa | 0 | 0 | 10 | 0 |
| 338 | solute carrier family 25 | gi 21389315 ref NP_005975.1 sol | ? | 0 | 0 | 10 | 0 |
| 339 | FK506-binding protein 4 | gi 4503729 ref NP_002005.1 FK5 | ? | 6 | 0 | 7 | 0 |
| 340 | basigin isoform 1 | gi 38372919 ref NP_001719.2 bas | 42 kDa | 0 | 11 | 0 | 0 |
| 341 | heterogeneous nuclear ribonucleoprotein U-like 2 | gi 118601081 ref NP_001073027.1 | 85 kDa | 0 | 0 | 4 | 5 |
| 342 | fibrillarin | gi 12056465 ref NP_001427.2 fibr | 34 kDa | 4 | 3 | 3 | 5 |
| 343 | tyrosine 3-monooxygenase/tryptophan 5-monooxy | gi 4507949 ref NP_003395.1 tyros | 28 kDa | 0 | 4 | 3 | 5 |
| 344 | proteasome 26S non-ATPase subunit 4 | gi 5292161 ref NP_002801.1 prote | 41 kDa | 4 | 4 | 3 | 4 |
| 345 | splicing coactivator subunit SRm300 | gi 118572613 ref NP_057417.3 sp | ? | 3 | 0 | 8 | 0 |
| 346 | SEB4B protein - | gi 481241 pir S38383 SEB4B prot | 25 kDa | 4 | 8 | 3 | 4 |
| 347 | Erythrocyte Catalase 3-Amino-1,2,4-Triazole Com | gi 7245757 pdb 1DGH B Chain B, | 57 kDa | 0 | 0 | 0 | 10 |
| 348 | proteasome 26S non-ATPase subunit 1 | gi 25777600 ref NP_002798.2 pro | ? | 4 | 5 | 5 | 3 |
| 349 | epidermal growth factor receptor | gi 29725609 ref NP_005219.2 epi | 134 kDa | 0 | 0 | 0 | 10 |
| 350 | Tripartite motif-containing protein 25 (Zinc finger pr | gi 12585547 sp Q14258 TRI25_HU | 71 kDa | 6 | 3 | 3 | 0 |
| 351 | ribosomal protein L31 isoform 1 | gi 4506633 ref NP_000984.1 ribos | 14 kDa | 5 | 0 | 5 | 0 |
| 352 | high mobility group AT-hook 1 isoform a | gi 22208967 ref NP_665906.1 hig | 12 kDa | 4 | 7 | 0 | 0 |
| 353 | Barrier-To-Autointegration Factor | gi 10120888 pdb 1CI4 A Chain A, | ? | 3 | 3 | 7 | 3 |
| 354 | RAB7, member RAS oncogene family | gi 34147513 ref NP_004628.4 RA | ? | 3 | 3 | 7 | 3 |
| 355 | Double-stranded RNA-specific adenosine deamin | gi 38372880 sp P55265 DSRAD_H | 136 kDa | 5 | 0 | 5 | 0 |
| 356 | Integrin beta-4 precursor | gi 13638154 sp P16144 ITB4_HUM | ? | 0 | 9 | 0 | 0 |
| 357 | A Novel Anti-Tumor Cytokine Contains A Rna-Bind | gi 10120516 pdb 1EUJA A Chain A, | 18 kDa | 4 | 0 | 0 | 8 |
| 358 | BCL2-associated athanogene 2 | gi 4757834 ref NP_004273.1 BCL | 24 kDa | 0 | 9 | 0 | 0 |
| 359 | progesterone receptor membrane component 1 | gi 5729875 ref NP_006658.1 prog | 22 kDa | 0 | 0 | 5 | 8 |
| 360 | H1 histone family, member 0 | gi 4885371 ref NP_005309.1 H1 h | 21 kDa | 0 | 0 | 8 | 0 |
| 361 | ARP3 actin-related protein 3 homolog | gi 5031573 ref NP_005712.1 ARP | 47 kDa | 0 | 3 | 4 | 3 |

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|-----|---|-----------------------------------|---------|---|----|---|---|
| 362 | glutamate dehydrogenase 2 | gi 3137775 ref NP_036216.2 glu | ? | 4 | 3 | 4 | 0 |
| 363 | SEC22 vesicle trafficking protein-like 1 | gi 6755448 ref NP_035472.1 SEC | 25 kDa | 0 | 3 | 5 | 3 |
| 364 | signal recognition particle 14kDa | gi 14999611 ref NP_003125.3 sig | 15 kDa | 3 | 3 | 5 | 0 |
| 365 | far upstream element-binding protein | gi 17402900 ref NP_003893.2 far | 68 kDa | 4 | 0 | 4 | 3 |
| 366 | cleavage and polyadenylation specific factor 6, | gi 5901928 ref NP_008938.1 cleav | ? | 4 | 0 | 5 | 0 |
| 367 | homeobox prox 1 | gi 7706322 ref NP_057123.1 hom | 28 kDa | 0 | 3 | 6 | 0 |
| 368 | RNA binding motif protein 39 isoform a | gi 35493811 ref NP_909122.1 RN | 59 kDa | 3 | 0 | 6 | 0 |
| 369 | fumarate hydratase precursor | gi 19743875 ref NP_000134.2 fum | 55 kDa | 0 | 0 | 6 | 4 |
| 370 | vinculin isoform meta-VCL | gi 7669550 ref NP_054706.1 vincu | 124 kDa | 0 | 7 | 0 | 3 |
| 371 | epidermal autoantigen 450K | gi 1082355 pir PH0269 epidermal | 31 kDa | 0 | 7 | 0 | 0 |
| 372 | dihydropyrimidinase-like 2 | gi 4503377 ref NP_001377.1 dihyd | 62 kDa | 0 | 7 | 0 | 0 |
| 373 | Filamin-B (FLN-B) | gi 38257363 sp O75369 FLNB_HU | ? | 0 | 7 | 0 | 0 |
| 374 | RuvB-like 1 | gi 4506753 ref NP_003698.1 RuvB | 50 kDa | 7 | 0 | 3 | 0 |
| 375 | Annexin I At 2.5 | gi 157829895 pdb 1AIN A Chain A | 35 kDa | 0 | 12 | 0 | 0 |
| 376 | eukaryotic translation initiation factor 3 | gi 4503525 ref NP_003743.1 euka | ? | 4 | 0 | 3 | 3 |
| 377 | ribonucleoprotein | gi 2136118 pir 56013 ribonucleop | 11 kDa | 4 | 3 | 4 | 0 |
| 378 | prefoldin subunit 2 | gi 12408675 ref NP_036526.2 pre | 17 kDa | 0 | 3 | 5 | 3 |
| 379 | receptor accessory protein 5 | gi 115430112 ref NP_005660.4 re | 21 kDa | 0 | 0 | 5 | 3 |
| 380 | brain creatine kinase | gi 21536286 ref NP_001814.2 bra | 43 kDa | 0 | 0 | 6 | 0 |
| 381 | splicing factor, arginine/serine-rich 2 | gi 6755478 ref NP_035488.1 splic | 25 kDa | 0 | 0 | 6 | 3 |
| 382 | sterol carrier protein 2 isoform 1 | gi 19923233 ref NP_002970.2 ste | 59 kDa | 0 | 0 | 6 | 3 |
| 383 | thrombospondin 1 precursor | gi 40317626 ref NP_003237.2 thrd | ? | 0 | 0 | 7 | 0 |
| 384 | ADP-ribosylation-like factor 6 interacting protein 5 | gi 5453704 ref NP_006398.1 ADP | 22 kDa | 0 | 0 | 7 | 0 |
| 385 | PRP3 pre-mRNA processing factor 3 homolog | gi 4758556 ref NP_004689.1 PRP | ? | 6 | 0 | 0 | 0 |
| 386 | proteasome 26S ATPase subunit 2 | gi 4506209 ref NP_002794.1 prote | ? | 4 | 3 | 3 | 0 |
| 387 | heat shock 105kD | gi 42544159 ref NP_006635.2 hea | ? | 3 | 0 | 4 | 0 |
| 388 | ATP synthase, H+ transporting, | gi 18644883 ref NP_001676.2 AT | 13 kDa | 3 | 0 | 4 | 3 |
| 389 | splicing factor 3a, subunit 3 | gi 5803167 ref NP_006793.1 splic | 59 kDa | 4 | 0 | 3 | 3 |
| 390 | tenascin N | gi 62988324 ref NP_071376.1 ten | 144 kDa | 0 | 3 | 0 | 4 |
| 391 | splicing factor, arginine/serine-rich 11 | gi 4759100 ref NP_004759.1 splic | 54 kDa | 0 | 0 | 5 | 0 |
| 392 | proteasome beta 1 subunit | gi 4506193 ref NP_002784.1 prote | 26 kDa | 5 | 3 | 0 | 0 |
| 393 | Integrin alpha-3 precursor (Galactoprotein B3) | gi 11467963 sp P26006 ITA3_HUM | 119 kDa | 0 | 6 | 3 | 0 |
| 394 | FK506-binding protein 3 | gi 4503727 ref NP_002004.1 FK5 | ? | 4 | 0 | 4 | 0 |
| 395 | ribosomal L1 domain containing 1 | gi 118498359 ref NP_056474.2 rib | 55 kDa | 5 | 0 | 3 | 0 |
| 396 | eukaryotic translation initiation factor 2-alpha kinase | gi 4506103 ref NP_002750.1 euka | 62 kDa | 5 | 0 | 0 | 0 |
| 397 | solute carrier family 1 | gi 5032093 ref NP_005619.1 solu | 57 kDa | 0 | 0 | 5 | 3 |
| 398 | gelsolin isoform a precursor | gi 4504165 ref NP_000168.1 gels | ? | 0 | 5 | 0 | 3 |
| 399 | Topoisomerase I Ara-C Complex | gi 28948850 pdb 1NH3 A Chain A, | 66 kDa | 6 | 0 | 0 | 0 |
| 400 | ubiquinol-cytochrome c reductase binding protein | gi 5454152 ref NP_006285.1 ubiq | 14 kDa | 0 | 0 | 7 | 0 |
| 401 | pyrroline-5-carboxylate reductase 1 isoform 1 | gi 24797097 ref NP_008838.2 pyr | ? | 3 | 0 | 4 | 0 |
| 402 | stauferin isoform b | gi 82659087 ref NP_059347.2 sta | 63 kDa | 0 | 4 | 0 | 3 |
| 403 | ribonuclease/angiogenin inhibitor | gi 21361547 ref NP_002930.2 ribc | 50 kDa | 0 | 0 | 4 | 0 |
| 404 | Protein FAM62B Extended synaptotagmin-2 | gi 121949310 sp A0FGR8 FA62B_ | ? | 0 | 4 | 0 | 0 |
| 405 | Pp2a, Pr65alpha | gi 4558258 pdb 1B3U A Chain A, C | 65 kDa | 3 | 0 | 4 | 0 |
| 406 | myoferlin isoform a | gi 7305053 ref NP_038479.1 myof | 235 kDa | 0 | 4 | 0 | 0 |
| 407 | guanine nucleotide binding protein (G protein), alp | gi 4504041 ref NP_002061.1 guar | 40 kDa | 0 | 4 | 0 | 0 |
| 408 | cytokine induced protein 29 kDa | gi 32129199 ref NP_149073.1 cyt | 24 kDa | 0 | 0 | 4 | 0 |
| 409 | VAMP-associated protein B/C | gi 4759302 ref NP_004729.1 VAM | 27 kDa | 0 | 0 | 4 | 0 |
| 410 | arsenate resistance protein ARS2 isoform a | gi 58331218 ref NP_056992.4 ars | 101 kDa | 3 | 0 | 4 | 0 |
| 411 | catenin, delta 1 isoform 1ABC | gi 146231940 ref NP_001078927.1 | ? | 3 | 0 | 0 | 4 |
| 412 | coiled-coil-helix-coiled-coil-helix domain containing | gi 8923390 ref NP_060282.1 coile | 26 kDa | 0 | 4 | 0 | 3 |
| 413 | ATP synthase, H+ transporting, | gi 6005717 ref NP_009031.1 ATP | ? | 0 | 0 | 4 | 0 |
| 414 | minichromosome maintenance complex component | gi 33356547 ref NP_004517.2 min | ? | 4 | 0 | 3 | 0 |
| 415 | S100 calcium-binding protein A8 | gi 21614544 ref NP_002955.2 S10 | 11 kDa | 0 | 0 | 0 | 4 |
| 416 | ribosomal protein L14 | gi 7513316 pir JC5954 ribosomal | 24 kDa | 0 | 6 | 0 | 0 |
| 417 | DAZ associated protein 1 isoform b | gi 25470886 ref NP_061832.2 DA | 43 kDa | 0 | 0 | 5 | 0 |
| 418 | emerin | gi 4557553 ref NP_000108.1 eme | 29 kDa | 0 | 0 | 5 | 0 |
| 419 | 5' nucleotidase, ecto | gi 4505467 ref NP_002517.1 5' nu | ? | 0 | 5 | 0 | 0 |
| 420 | HUMAN 2-oxoglutarate dehydrogenase E1 compo | gi 1352618 sp Q02218 ODO1_HU | ? | 0 | 0 | 4 | 0 |