

Supplemental Table 3. Proteins identified from MCF10/DR7/CD80 and MCF10/DR7/CD80/li as a result of two individual affinity purifications and four LC-MS/MS runs. Proteins unique to MCF10/DR7/CD80 are in red; proteins unique to MCF10/DR7/CD80/li are in blue; proteins present in both cell lines are in black. Percent of protein coverage and number of unique peptides per protein are from Protein Prophet analysis. Spectra of proteins identified by a single peptide are in Supplemental figures 1 and 2.

Protein	IPI accession number	Peptides per protein	% Protein coverage
40S ribosomal protein S15	IPI00216153.7, IPI00479058.1	1	14.5
60S ribosomal protein L14	IPI00002821.4, IPI00555744.6, IPI00749269.1	1	7.5
Annexin A1	IPI00218918.5	1	7.2
Elongation factor 1 alpha 2	IPI00478215.2	1	4.8
Isoform 3 of UDP N acetylglucosamine peptide N acetylglucosaminyltransferase 110 kDa subunit	IPI00005780.3, IPI00219856.1, IPI00607723.1	1	1.6
Profilin 1	IPI00216691.5	1	11.4
Protein S100 P	IPI00017526.1	1	24.2
11 kDa protein	IPI00141795.5, IPI00177716.7, IPI00179700.3, IPI00450855.1, IPI00744851.1, IPI00746310.3	1	19.8
117 kDa protein	IPI00304670.6, IPI00784499.2, IPI00787751.1	1	1.2
14 kDa protein	IPI00744854.1	1	12
18 kDa protein	IPI00746706.1	1	9.5
26S protease regulatory subunit 7	IPI00021435.3	1	3.9
40S ribosomal protein S10	IPI00008438.1, IPI00414852.2, IPI00478810.1	3	33.3
40S ribosomal protein S13	IPI00221089.5	2	8.6
40S ribosomal protein S15	IPI00216153.7, IPI00479058.1	1	14.5
40S ribosomal protein S16	IPI00221092.8	1	11.6
40S ribosomal protein S17	IPI00221093.7, IPI00414603.3, IPI00791157.1	1	16.3
40S ribosomal protein S19	IPI00215780.5, IPI00787105.1	1	9.7
40S ribosomal protein S2	IPI00013485.3, IPI00478002.1, IPI00479366.1, IPI00744451.3, IPI00827598.1	1	6.8
40S ribosomal protein S4, X isoform	IPI00217030.10, IPI00219894.5	3	23.6
40S ribosomal protein S5	IPI00008433.4	3	25.8

40S ribosomal protein S7	IPI00013415.1, IPI00478287.2, IPI00798077.1	4	25.3
42 kDa protein	IPI00472082.2, IPI00783625.1	1	6.1
49 kDa protein	IPI00180956.6, IPI00240503.7, IPI00450768.7, IPI00747707.1, IPI00798387.1	6	7.7
60S ribosomal protein L18	IPI00215719.6	1	6.4
60S ribosomal protein L19	IPI00025329.1, IPI00746706.1	2	12.8
60S ribosomal protein L35	IPI00412607.6, IPI00550247.2	1	15.4
60S ribosomal protein L4	IPI00003918.6, IPI00792159.1	3	10.3
60S ribosomal protein L6	IPI00329389.8, IPI00741742.2, IPI00788908.1, IPI00790342.1, IPI00798169.1	2	11.8
60S ribosomal protein L7a	IPI00299573.12, IPI00397676.4, IPI00478896.2, IPI00479315.2	1	6
61 kDa protein	IPI00472102.3, IPI00784154.1, IPI00794769.1	3	11.3
7 kDa protein	IPI00746213.1	1	25
8 kDa protein	IPI00026060.2, IPI00217950.5, IPI00440673.1, IPI00455586.2, IPI00513867.3, IPI00741756.1	1	20.5
85 kDa protein	IPI00334775.6, IPI00382470.3, IPI00414676.6, IPI00514659.2, IPI00515119.3, IPI00604607.2, IPI00640129.2, IPI00746291.1, IPI00784295.2, IPI00789847.1, IPI00796258.1, IPI00796844.1	1	2.2
Actin like protein (Fragment)	IPI00555675.1	2	23.3
Actin, alpha skeletal muscle	IPI00021428.1, IPI00023006.1, IPI00414057.2, IPI00515047.1	1	9.8
Actin, aortic smooth muscle	PI00008603.1, IPI00021428.1, IPI00021439.1, IPI00021440.1, IPI00023006.1, IPI00025416.3, IPI00414057.2, IPI00514530.4, IPI00515047.1, IPI00645534.1, IPI00790339.1, IPI00796881.1	14	35
Actin, cytoplasmic 1	IPI00021439.1, IPI00021440.1, IPI00555733.1, IPI00556391.1, IPI00655798.3, IPI00739539.2, IPI00790339.1, IPI00796881.1	10	37.1
Adenylyl cyclase associated protein 1	IPI00008274.7, IPI00514858.1, IPI00639931.1, IPI00641881.1, IPI00642414.1, IPI00643567.1, IPI00644109.1, IPI00644589.1, IPI00645789.1, IPI00646269.1, IPI00646869.1, IPI00647351.1	1	3.4

Adipose most abundant gene transcript 2	IPI00020017.1, IPI00644556.2	1	26.3
Alpha enolase, lung specific	IPI00013769.1, IPI00216171.3, IPI00218474.5, IPI00465248.5, IPI00759806.1, IPI00792715.1	5	11.6
Annexin A1	IPI00218918.5	4	30.1
Annexin A3	IPI00024095.3, IPI00745868.2	1	4.6
Annexin A5	IPI00329801.12, IPI00793236.1	1	5.2
Aspartyl tRNA synthetase, cytoplasmic	IPI00216951.2	1	4
ATP synthase epsilon chain, mitochondrial	IPI00215878.6	1	41.2
ATP synthase subunit beta, mitochondrial precursor	IPI00303476.1, IPI00792128.1, IPI00792534.1, IPI00793851.1	2	5.9
Bardet Biedl syndrome 10 protein	IPI00742775.1	1	3.5
Brain acid soluble protein 1	IPI00299024.9	2	20.3
C 1 tetrahydrofolate synthase, cytoplasmic	IPI00218342.10, IPI00794900.1	2	2.7
Calcineurin binding protein Cabin 1	IPI00002355.1, IPI00184409.6	1	0.8
CDNA FLJ90577 fis, clone OVARC1002058, highly similar to Human 18S rRNA	IPI00384007.1	1	22.8
Cell death inducing DFFA like effector a isoform 2	IPI00384386.4, IPI00646443.1	1	5.1
Centrosomal protein 55kDa	IPI00478215.2	1	4.8
Chromogranin A precursor	IPI00290315.3, IPI00383975.1, IPI00746813.1	1	4.6
Coactosin like protein	IPI00017704.3	1	13.4
Cofilin 1	IPI00012011.6, IPI00413344.3, IPI00784459.1, IPI00796024.1	1	9
Cyclin dependent kinase 10 isoform 3 variant (Fragment)	IPI00556339.1	1	7.9
Cytochrome c oxidase polypeptide VIa liver, mitochondrial precursor	IPI00021793.1, IPI00176681.1	1	
D 3 phosphoglycerate dehydrogenase	IPI00011200.5, IPI00642548.2	3	12
Dpy 30 like protein	IPI00028109.1	1	12.1
E2 induced gene 5 protein	IPI00023001.2, IPI00795180.1	1	11.7
EEF1A1 protein	IPI00025447.7, IPI00180730.1, IPI00396485.3, IPI00455434.1, IPI00472724.1, IPI00655692.1, IPI00793363.1	8	48.1
Elongation factor 1 alpha 2	IPI00014424.1, IPI00180730.1,	3	12.3

	IPI00396485.3, IPI00472724.1, IPI00556204.1, IPI00641459.2, IPI00793363.1, IPI00796933.1		
Elongation factor 2	IPI00186290.6	1	1.5
ENO1P protein	IPI00328587.4, IPI00465248.5, IPI00759806.1	2	4.6
Eukaryotic translation initiation factor 3 subunit 12	IPI00033143.1	1	7.3
FKSG30	IPI00555900.1	1	4.8
Fructose biphosphate aldolase C	IPI00418262.4	1	7.7
Fucosyltransferase 11	IPI00217759.2, IPI00647266.1	1	3.7
Galectin 1	IPI00219219.3	1	9.6
Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018.7	17	41.8
Heat shock protein beta 1	IPI00025512.2	1	15.1
Heat shock protein HSP 90 alpha 2	IPI00382470.3, IPI00604607.2, IPI00784295.2, IPI00789847.1	1	1.9
Histone H2B type 2 E	IPI00003935.6, IPI00018534.4, IPI00020101.9, IPI00152785.3, IPI00152906.6, IPI00166293.5, IPI00220403.3, IPI00303133.8, IPI00329665.8, IPI00419833.7, IPI00465363.3, IPI00477495.3, IPI00515061.3, IPI00554798.2,	2	15.9
HLA class II histocompatibility antigen, DR alpha chain precursor	IPI00005171.1, IPI00464948.3, IPI00645572.1, IPI00647215.2, IPI00785143.1	2	9.8
HSPA5 protein	IPI00003362.2	1	2.6
Hypothetical poetin	IPI00219018.7, IPI00788737.1, IPI00789134.1, IPI00793922.1, IPI00795257.1, IPI00797221.1	1	9.36
Hypothetical protein DKFZp761C0417	IPI00470378.1	1	3.5
Hypothetical protein DKFZp781J1697	IPI00470809.3	1	1
hypothetical protein isoform 1	IPI00788693.1	1	17.6
hypothetical protein isoform 2	IPI00807617.1	1	12.2
hypothetical protein LOC25900 isoform 4	IPI00022868.3, IPI00449478.4, IPI00787448.2	1	4.1
hypothetical protein LOC283971	IPI00396078.4, IPI00448073.2, IPI00456692.3	1	3.8
Hypothetical protein LOC345651	IPI00003269.1, IPI00008603.1, IPI00021428.1, IPI00021439.1, IPI00021440.1, IPI00023006.1, IPI00025416.3, IPI00514530.4,	1	4.8

	IPI00515047.1, IPI00555900.1, IPI00739539.2, IPI00794523.2, IPI00816229.1		
interleukin 1 receptor associated kinase 1 isoform 3	IPI00060149.2, IPI00293652.1, IPI00385328.2, IPI00472717.1	1	3.5
Intestinal facilitative glucose transporter 7	IPI00057815.4	1	2.7
Isoform 1 of 14 3 3 protein sigma	IPI00013890.2, IPI00018146.1, IPI00021263.3, IPI00216318.5, IPI00216319.3, IPI00220642.7, IPI00411765.3, IPI00743599.1, IPI00759832.1, IPI00789337.1, IPI00790768.1, IPI00794254.2, IPI00796727.1	1	8.1
Isoform 1 of Disks large associated protein 1	IPI00021941.1, IPI00792913.1	1	
Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865.1, IPI00037070.2, IPI00792459.1, IPI00793644.1, IPI00794277.1, IPI00795040.1, IPI00797523.1	2	6.8
Isoform 1 of Kin of IRRE like protein 1 precursor	IPI00470360.1, IPI00470361.1	1	2.9
Isoform 1 of L lactate dehydrogenase A chain	IPI00217966.7, IPI00607708.3, IPI00789874.1, IPI00792016.1, IPI00792520.1, IPI00793152.1, IPI00795075.1	6	29.2
Isoform 1 of Nucleolar protein 6	IPI00152890.1, IPI00157845.3, IPI00291903.4, IPI00556218.1	1	1.7
Isoform 1 of Nucleophosmin	IPI00549248.4, IPI00604504.1, IPI00658013.1	1	4.8
Isoform 1 of PHD finger protein 21B	IPI00738578.1	1	4.5
Isoform 1 of Plectin 1	IPI00014898.1, IPI00186711.3, IPI00215942.1, IPI00215943.1, IPI00398002.5, IPI00398775.3, IPI00398776.3, IPI00398777.3, IPI00398778.3, IPI00398779.3, IPI00420096.4	1	0.3
Isoform 1 of Polypyrimidine tract binding protein 1	IPI00179964.5, IPI00183626.8, IPI00334175.3, IPI00556157.1	1	3
Isoform 1 of RING and PHD finger domain containing protein KIAA1542	IPI00001813.5, IPI00827706.1	1	1.2
Isoform 1 of Serine\threonine protein kinase MARK1	IPI00185037.9, IPI00292809.6, IPI00555711.1, IPI00796181.1	1	2.4
Isoform 1 of Unc 13 homolog D	IPI00456635.1	1	2.7

Isoform 2 of Calpastatin	IPI00220857.3, IPI00220859.3, IPI00305750.4, IPI00413492.3, IPI00465148.2, IPI00760715.1, IPI00760909.2, IPI00761035.1, IPI00761069.1, IPI00761140.1, IPI00761160.1	1	2.3
Isoform 2 of Nucleophosmin	IPI00220740.1, IPI00549248.4	2	10.6
Isoform 2 of Plakophilin 2	IPI00005264.1, IPI00219688.1	1	2.3
Isoform 2 of Triosephosphate isomerase	IPI00451401.3, IPI00465028.7, IPI00746832.1, IPI00796633.1, IPI00797687.1	1	9.2
Isoform 7 of Protocadherin 11 X linked precursor	IPI00005031.1, IPI00018303.2, IPI00018313.1, IPI00018320.1, IPI00104649.1, IPI00218387.1, IPI00410049.2, IPI00514303.1, IPI00514457.3, IPI00643227.1, IPI00745536.1, IPI00747762.1	1	1.8
Isoform alpha enolase of Alpha enolase	IPI00465248.5, IPI00759806.1	7	25.1
Isoform Alpha of Tripartite motif containing protein 1	IPI00009524.3, IPI00216582.3	1	2.9
Isoform Brain of Clathrin light chain A	IPI00014587.1, IPI00216393.1, IPI00790571.1	1	6
Isoform HMG I of High mobility group protein HMG I\HMG Y	IPI00179700.3, IPI00744851.1, IPI00746310.3	1	23.4
Isoform Long of HLA class II histocompatibility antigen gamma chain	IPI00022933.2, IPI00217775.1, IPI00607573.1	2	6.1
Isoform Long of Proto oncogene tyrosine protein kinase LCK	IPI00394952.5, IPI00411413.2, IPI00515097.3, IPI00555672.1	1	3.3
Isoform M1 of Pyruvate kinase isozymes M1\M2	IPI00220644.8, IPI00479186.5, IPI00604528.2, IPI00783061.1, IPI00784179.1	2	6.8
Isoform Non brain of Clathrin light chain A	IPI00216393.1	1	9.6
Isoform Non muscle of Myosin light polypeptide 6	IPI00335168.9, IPI00413922.5, IPI00744444.1, IPI00789605.1, IPI00793089.1, IPI00795576.1, IPI00795944.1, IPI00796366.1, IPI00796500.1, IPI00797001.1, IPI00797626.1, IPI00798265.1	1	11.3
Keratin 77	IPI00376379.3	1	1.9
Keratin, type I cytoskeletal 15	IPI00290077.1	3	18.2
Keratin, type II cytoskeletal 6B	IPI00293665.7	1	4.6
Keratin, type II cytoskeletal 8	IPI00554648.3	2	6.4
L lactate dehydrogenase B chain	IPI00219217.3, IPI00788938.1, IPI00789173.1, IPI00789771.1,	3	6.3

	IPI00797561.1		
Leukemia inhibitory factor precursor	IPI00009720.1	1	9.4
Myosin 9	IPI00019502.3, IPI00556012.1	1	0.9
NADH dehydrogenase [ubiquinone] iron sulfur protein 2, mitochondrial precursor	IPI00025239.2	1	4.8
NLRC5 protein, IFN-specific response element	IPI00329085.2, IPI00335249.1, IPI00383061.3, IPI00641739.1, IPI00789837.1	1	1.5
Nucleoside diphosphate kinase A	IPI00012048.1, IPI00026260.1, IPI00375531.2, IPI00604590.3, IPI00789423.1, IPI00790982.1, IPI00794728.1, IPI00795292.1, IPI00796344.1, IPI00797082.1, IPI00798187.1	1	13.2
Peptidyl prolyl cis trans isomerase A	IPI00419585.9, IPI00743250.1	1	7.3
Peroxisomal membrane protein 2	IPI00221002.5, IPI00787173.1, IPI00796440.1	1	11.3
Phosphoglycerate kinase 1	IPI00169383.3	1	5.3
Polyadenylate binding protein interacting protein 2	IPI00304483.1	1	13.4
PP856	IPI00165579.6, IPI00177728.3, IPI00642656.2, IPI00642792.1, IPI00643827.1, IPI00646632.2	1	3.8
Profilin 1	IPI00216691.5	1	15.7
Proteasome activator complex subunit 2	IPI00384051.5, IPI00398048.1, IPI00746205.1	1	5.4
Protein S100 A10	IPI00183695.9	4	23.7
Protein S100 A11	IPI00013895.1	3	41.9
Protein S100 A16	IPI00062120.1	1	20.4
Protein S100 A2	IPI00019869.3, IPI00514806.1	4	27.6
Protein S100 A6	IPI00027463.1	9	62.2
Protein tyrosine phosphatase epsilon cytoplasmic isoform (Fragment)	IPI00816740.1	1	51.8
Putative S100 calcium binding protein H_NH0456N16.1	IPI00003734.1, IPI00013895.1, IPI00787797.1	2	12.5
similar to agrin	IPI00786877.1	1	0.5
Similar to annexin A2 isoform 1	IPI00334627.3, IPI00418169.3, IPI00455315.4, IPI00797556.1	10	45.7
Similar to Calgizzarin	IPI00743214.1	1	19.2
similar to Keratin, type II cytoskeletal 8	IPI00215804.4, IPI00554648.3, IPI00787216.1, IPI00787323.1, IPI00787392.1, IPI00793917.1	1	8.9

similar to Nonhistone chromosomal protein HMG 17 (High mobility group nucleosome binding domain containing protein 2) isoform 3	IPI00181126.3, IPI00217950.5, IPI00478470.1, IPI00787782.1	2	37.8
similar to peptidylprolyl isomerase A isoform 1	IPI00248321.8, IPI00374732.4, IPI00419585.9, IPI00472718.3, IPI00745933.1	1	14.5
Similar to Zinc finger CCCH type domain containing protein 11A isoform 1	IPI00455725.3	1	2.9
Stathmin	IPI00479997.4	1	8.7
Thymosin beta 10	IPI00220827.5	5	52.3
thymosin like 3	IPI00180240.2, IPI00220828.9, IPI00719405.2, IPI00815642.1, IPI00815829.1, IPI00815835.1, IPI00816008.1, IPI00816288.1, IPI00816464.1	6	61.4
Transketolase	IPI00643920.2, IPI00788802.1, IPI00789310.1, IPI00792641.1, IPI00793119.1	2	3.4
Tropomodulin-1	IPI00002375.3	1	7
Tubulin beta 2C chain	IPI00007752.1, IPI00011654.2, IPI00013475.1, IPI00013683.2, IPI00023598.2, IPI00031370.3, IPI00152453.1, IPI00640115.1, IPI00641706.1, IPI00643158.1, IPI00644620.1, IPI00645452.1, IPI00646779.2, IPI00647682.2, IPI	1	2.2
Ubiquitin conjugating enzyme E2 L3	IPI00021347.1, IPI00176873.2, IPI00472476.1	1	13.6
Vimentin	IPI00418471.6	1	2.8
Zinc finger protein 615	IPI00418568.3, IPI00644529.1, IPI00748237.1, IPI00798052.1	1	3.6