

Supplemental Table 3. Protein identifications for the DIGE comparison of cellular and secreted proteins of HUVECs.

No.	Protein names	UniProt ID	Protein identification probability	Number of total spectra	Sequence coverage	Theoretical	
						pI	Mw (Da)
1	Unidentified	-	-	-	-	-	-
2	Protein S100-A6	S10A6_HUMAN	99.9%	5	16.70%	5.32	10,180
3	Unidentified	-	-	-	-	-	-
4	Unidentified	-	-	-	-	-	-
5	Beta-2-microglobulin [Cleaved into: Beta-2-microglobulin form pI 5.3]	B2MG_HUMAN	99.8%	2	16.80%	6.07	11,731
6	Protein S100-A10	S10AA_HUMAN	99.2%	2	10.30%	7.30	11,072
7	Signal recognition particle 9 kDa protein	SRP09_HUMAN	98.0%	1	12.80%	8.28	9,981
8	10 kDa heat shock protein, mitochondrial	CH10_HUMAN	99.7%	2	9.80%	8.91	10,801
9	SH3 domain-binding glutamic acid-rich-like protein 3	SH3L3_HUMAN	100.0%	3	26.90%	4.82	10,438
10	Myotrophin	MTPN_HUMAN	99.0%	2	14.40%	5.28	12,764
11	Thioredoxin	THIO_HUMAN	99.8%	2	21.00%	4.82	11,606
12	Galectin-1	LEG1_HUMAN	100.0%	12	40.00%	5.30	14,585
13	Cystatin-B	CYTB_HUMAN	72.1%	2	12.20%	6.96	11,140
14	Macrophage migration inhibitory factor	MIF_HUMAN	99.3%	2	9.57%	8.24	12,345
15	Profilin-1	PROF1_HUMAN	100.0%	6	28.60%	8.47	14,923
16	Peptidyl-prolyl cis-trans isomerase FKBP1A	FKB1A_HUMAN	100.0%	13	41.70%	8.08	11,820
17	Profilin-1	PROF1_HUMAN	100.0%	18	57.10%	8.47	14,923
18	Small nuclear ribonucleoprotein Sm D2	SMD2_HUMAN	100.0%	3	16.90%	9.92	13,396
19	Histidine triad nucleotide-binding protein 1	HINT1_HUMAN	98.8%	1	7.14%	6.46	13,671
20	40S ribosomal protein S12	RS12_HUMAN	100.0%	5	20.50%	7.01	14,384
21	Fatty acid-binding protein, epidermal	FABP5_HUMAN	100.0%	4	26.70%	6.82	15,033
22	Tubulin-specific chaperone A	TBCA_HUMAN	100.0%	7	27.80%	5.25	12,724
23	Myosin light polypeptide 6	MYL6_HUMAN	100.0%	10	26.50%	4.56	16,799

24	Myosin light polypeptide 6	MYL6_HUMAN	100.0%	8	32.50%	4.56	16,799
25	Calmodulin	CALM_HUMAN	93.1%	4	7.38%	4.09	16,706
26	Unidentified	-	-	-	-	-	-
27	Myosin regulatory light chain 12A	ML12A_HUMAN	100.0%	7	24.00%	4.65	19,663
28	Eukaryotic translation initiation factor 5A-1	IF5A1_HUMAN	100.0%	9	27.30%	5.08	16,701
29	Actin-related protein 2/3 complex subunit 5	ARPC5_HUMAN	100.0%	5	15.20%	5.47	16,189
30	Stathmin	STMN1_HUMAN	100.0%	5	26.80%	5.76	17,171
31	Peptidyl-prolyl cis-trans isomerase A	PPIA_HUMAN	100.0%	8	32.10%	7.82	17,881
32	Peptidyl-prolyl cis-trans isomerase A	PPIA_HUMAN	100.0%	20	63.60%	7.82	17,881
33	Nucleoside diphosphate kinase B	NDKB_HUMAN	100.0%	17	44.10%	8.55	17,167
34	Cofilin-1	COF1_HUMAN	100.0%	14	40.40%	8.26	18,371
35	Cofilin-1	COF1_HUMAN	100.0%	4	8.43%	8.26	18,371
36	NEDD8-conjugating enzyme Ubc12	UBC12_HUMAN	99.8%	3	9.84%	7.57	20,900
37	Cofilin-1	COF1_HUMAN	100.0%	8	15.10%	8.26	18,371
38	Nucleoside diphosphate kinase A	NDKA_HUMAN	100.0%	7	26.30%	5.82	17,018
39	Superoxide dismutase [Cu-Zn]	SODC_HUMAN	99.8%	2	16.90%	5.70	15,805
40	Eukaryotic translation initiation factor 1A, X-chromosomal	IF1AX_HUMAN	100.0%	1	7.64%	5.07	16,329
41	Prostaglandin E synthase 3	TEBP_HUMAN	100.0%	4	6.25%	4.32	18,697
42	Proteasome subunit beta type-6	PSB6_HUMAN	100.0%	6	2.84%	4.91	21,904
43	UMP-CMP kinase	KCY_HUMAN	99.8%	4	11.20%	5.44	22,222
43	Peroxiredoxin-2	PRDX2_HUMAN	99.8%	3	14.10%	5.67	21,761
44	Phosphatidylethanolamine-binding protein 1	PEBP1_HUMAN	100.0%	4	23.00%	7.43	20,926
45	Transgelin-2	TAGL2_HUMAN	100.0%	11	43.20%	8.45	22,260
46	Peroxiredoxin-1	PRDX1_HUMAN	100.0%	17	50.30%	8.27	22,110
47	Peroxiredoxin-1	PRDX1_HUMAN	100.0%	5	14.60%	8.27	22,110
48	Protein DJ-1	PARK7_HUMAN	99.7%	2	6.88%	6.32	19,891
49	Glutathione S-transferase P	GSTP1_HUMAN	100.0%	8	32.40%	5.44	23,225

50	Ubiquitin carboxyl-terminal hydrolase isozyme L1	UCHL1_HUMAN	100.0%	10	25.10%	5.22	24,554
51	Annexin A2	ANXA2_HUMAN	100.0%	5	8.85%	7.56	38,473
52	Translationally-controlled tumor protein	TCTP_HUMAN	100.0%	9	27.90%	4.84	19,595
53	Acidic leucine-rich nuclear phosphoprotein 32 family member A	AN32A_HUMAN	99.7%	3	6.02%	3.98	28,585
54	Elongation factor 1-beta	EF1B_HUMAN	100.0%	6	20.40%	4.50	24,633
55	Tropomyosin alpha-3 chain	TPM3_HUMAN	100.0%	26	35.50%	4.68	32,819
56	Rho GDP-dissociation inhibitor 1	GDIR1_HUMAN	100.0%	8	21.10%	5.01	23,076
57	Rho GDP-dissociation inhibitor 2	GDIR2_HUMAN	100.0%	6	35.80%	5.08	22,857
58	Ran-specific GTPase-activating protein	RANG_HUMAN	99.8%	3	9.71%	5.19	23,179
59	Heat shock protein beta-1	HSPB1_HUMAN	100.0%	9	38.00%	5.98	22,783
60	Triosephosphate isomerase	TPIS_HUMAN	99.8%	4	10.00%	5.65	30,791
61	Triosephosphate isomerase	TPIS_HUMAN	100.0%	20	43.00%	5.65	30,791
62	Calcyclin-binding protein	CYBP_HUMAN	100.0%	6	8.70%	8.32	26,079
63	Phosphoglycerate mutase 1	PGAM1_HUMAN	100.0%	4	12.60%	6.75	28,673
64	Guanine nucleotide-binding protein subunit beta-2-like 1	GBLP_HUMAN	100.0%	8	14.20%	7.57	34,946
65	F-actin-capping protein subunit beta	CAPZB_HUMAN	100.0%	8	18.75%	5.36	31,219
66	Neutral alpha-glucosidase AB	GANAB_HUMAN	99.9%	1	1.59%	5.58	103,975
67	Elongation factor 1-delta	EF1D_HUMAN	100.0%	7	22.40%	4.90	30,991
68	Elongation factor 1-delta	EF1D_HUMAN	99.8%	4	9.61%	4.90	30,991
69	Charged multivesicular body protein 4b	CHM4B_HUMAN	100.0%	6	15.20%	4.76	24,819
70	Protein SET	SET_HUMAN	99.8%	3	6.90%	4.22	33,358
71	Alpha-2-HS-glycoprotein	FETUA_BOVIN	100.0%	2	7.52%	5.10	36,353
72	Actin, cytoplasmic 1	ACTB_HUMAN	100.0%	29	32.00%	5.29	41,737
73	Heterogeneous nuclear ribonucleoprotein A1	ROA1_HUMAN	100.0%	6	17.20%	9.17	38,615
74	Glyceraldehyde-3-phosphate dehydrogenase	G3P_HUMAN	100.0%	14	21.20%	8.58	35,922
75	Fructose-bisphosphate aldolase A	ALDOA_HUMAN	100.0%	9	22.80%	8.39	39,289
76	Phosphoglycerate kinase 1	PGK1_HUMAN	100.0%	7	11.00%	8.30	44,483

77	Obg-like ATPase 1	OLA1_HUMAN	100.0%	6	7.58%	7.64	44,744
78	Phosphoglycerate kinase 1	PGK1_HUMAN	100.0%	6	9.11%	8.30	44,483
79	Plasminogen activator inhibitor 1	PAI1_HUMAN	100.0%	3	4.48%	6.97	42,769
80	Plasminogen activator inhibitor 1	PAI1_HUMAN	100.0%	6	8.46%	6.97	42,769
81	Alpha-enolase	ENOA_HUMAN	100.0%	26	41.50%	6.99	47,038
82	Elongation factor 1-alpha 1	EF1A1_HUMAN	100.0%	11	14.90%	9.10	50,141
83	Interstitial collagenase	MMP1_HUMAN	100.0%	17	16.20%	6.17	42,635
84	Interstitial collagenase	MMP1_HUMAN	100.0%	15	16.40%	6.17	42,635
85	Pyruvate kinase isozymes M1/M2	KPYM_HUMAN	100.0%	14	17.90%	7.95	57,806
86	Protein disulfide-isomerase A3	PDIA3_HUMAN	100.0%	17	18.80%	5.61	54,265
87	Thioredoxin domain-containing protein 5	TXND5_HUMAN	100.0%	15	16.40%	5.37	44,460
88	Tubulin beta chain	TBB5_HUMAN	100.0%	24	30.40%	4.78	49,671
89	Alpha-2-HS-glycoprotein	FETUA_BOVIN	100.0%	11	22.80%	5.10	36,353
90	Alpha-2-HS-glycoprotein	FETUA_BOVIN	100.0%	26	27.30%	5.10	36,353
91	Alpha-1-antitrypsin	A1AT_BOVIN	100.0%	21	19.50%	5.98	43,694
92	Serum albumin	ALBU_BOVIN	100.0%	25	25.50%	5.60	66,433
93	Serotransferrin	TRFE_BOVIN	100.0%	12	11.80%	6.50	75,830
94	Transitional endoplasmic reticulum ATPase	TERA_HUMAN	100.0%	15	9.18%	5.14	89,191
95	Cadherin-5	CADH5_HUMAN	99.8%	2	2.30%	5.01	82,578
96	von Willebrand antigen 2	VWF_HUMAN (AA 23-763)	100.0%	9	6.07%	5.06	81,350