

**Identifications of 53 endothelial proteins obtained after MALDI-TOF and/or LC-MS/MS mass spectrometry and peptide mass fingerprinting analysis**

Spot n°	Identification(s)	% coverage	Accession n° SWISS-PROT or *NCBI	Theoretical pI/Mr	Measured pI/Mr	Cellular localization
1	Calcyclin	24% LC/MS/MS	P06703	5.3/10.16	5.0/12.80	cytosol
2	Galectin-1	54%	P09382	5.3/14.70	5.0/15.65	cytosol
3	Fatty acid-binding protein	42%	Q01469	6.6/15.15	6.5/17.36	cytosol
4	Nucleoside diphosphate kinase A	24% LC/MS/MS	P15531	5.8/17.13	6.0/19.70	cytosol/nucleus
	Prefoldin subunit 5	LC/MS/MS	Q99471	5.9/17.33	6.0/19.70	cytosol
5	Cofilin non muscle isoform	73% LC/MS/MS	P23528	8.5/18.48	6.5/21.46	cytosol/nucleus
	Hemoglobin alpha	LC/MS/MS	P01922	8.7/15.13	6.5/21.46	?
6	Thioredoxin peroxidase 1	34%	P32119	5.7/21.87	5.6/22.94	cytosol
7	Glutathione S-transferase P	30%	P09211	5.4/23.34	5.6/24.08	cytosol
8	RNA binding protein regulatory subunit (DJ1)	48%	gi 6005749*	6.3/19.83	6.4/24.71	cytosol/nucleus
9	Ubiquitin carboxyl terminal hydrolase isozyme L1	18% LC/MS/MS	P09936	5.3/24.83	5.5/25.55	cytosol
	Hemoglobin gamma	LC/MS/MS	P02096	6.7/16.00	5.5/25.55	?
10	Heat shock 27kD protein	67%	P04792	6.0/22.78	6.3/27.22	cytosol/nucleus
11	Heat shock 27kD protein	37%	P04792	6.0/22.78	5.7/27.32	cytosol/nucleus
12	Rho GDP-dissociation inhibitor 1	38%	P52565	5.0/23.19	4.9/28.15	cytosol
13	Endoplasmic reticulum protein ERP29 precursor	45%	P30040	6.8/28.98	6.4/28.78	reticulum
14	Tropomyosin cytoskeletal type	28% LC/MS/MS	P12324	4.7/29.01	4.6/29.98	cytoskeleton
15	Chloride intracellular channel protein 1	24%	O00299	5.0/26.91	5.1/30.43	nucleus
16	Tropomyosin cytoskeletal type	43%	P12324	4.7/29.01	4.6/30.66	cytoskeleton
17	Prohibitin	37%	P35232	5.6/29.79	5.5/31.12	cytosol
18	High mobility group protein HMG1	14% LC/MS/MS	P09429	5.6/24.88	6.3/31.23	nucleus
19	Tropomyosin 1 alpha chain	LC/MS/MS	P09493	4.7/32.71	4.6/39.62	cytoskeleton
20	Inorganic pyrophosphatase	12% LC/MS/MS	Q15181	5.5/32.66	5.6/37.19	cytosol
	L-Lactate dehydrogenase	LC/MS/MS	P07195	5.7/32.51	5.6/37.19	cytosol
	Annexin V	LC/MS/MS	P08758	4.9/35.80	5.6/37.19	cytosol/membranes
	Hemoglobin gamma	LC/MS/MS	P02096	6.7/16.00	5.6/37.19	?
21	F-actin capping protein alpha-1 subunit	43%	P52907	5.4/32.90	5.5/38.03	cytoskeleton
22	Nucleophosmin	LC/MS/MS	P06748	4.6/32.56	4.7/39.62	cytosol/nucleus
23	Nucleophosmin	14% LC/MS/MS	P06748	4.6/32.56	4.6/39.91	cytosol/nucleus
24	Laminin binding protein	45%	P08865	4.8/32.84	4.6/44.62	cytosol
25	Actin	29%	P02571	5.3/41.77	5.3/45.28	cytoskeleton
26	Actin	49%	P02570	5.3/41.72	5.3/45.45	cytoskeleton
27	Actin	35%	P02571	5.3/41.77	5.3/45.96	cytoskeleton
28	Protease inhibitor 9	23%	P50453	5.6/42.39	5.7/45.98	cytosol
29	Vimentin	LC/MS/MS	P08670	5.0/53.55	4.6/48.60	cytoskeleton
30	Protein disulfide isomerase A6 precursor	48%	Q15084	4.9/48.12	5.0/52.16	reticulum
31	Tubulin beta 5 chain	LC/MS/MS	P05218	4.8/49.67	4.9/57.45	cytoskeleton
	Tubulin beta 2 chain	11% LC/MS/MS	P05217	4.8/49.81	4.9/57.45	cytoskeleton
32	Calreticulin precursor	39%	P27797	4.3/48.12	4.1/58.96	reticulum
33	Protein disulfide isomerase precursor	LC/MS/MS	P07237	4.8/57.12	4.6/60.07	reticulum
34	Protein disulfide isomerase A3 precursor	19% LC/MS/MS	P30101	6.0/56.76	5.8/62.11	reticulum
35	Heat shock protein 60 kDa mitochondrial precursor	25%	P10809	5.7/61.04	5.3/62.80	mitochondria

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36	Protein disulfide isomerase A3 precursor	8 % LC/MS/MS	P30101	6.0/56.76	5.8/63.75	reticulum
37	Vimentin	LC/MS/MS	P08670	5.0/53.55	5.6/66.90	cytoskeleton
38	bovine Serum albumin precursor	29%	P02769	5.8/69.28	5.9/73.41	?
39	Heat shock 70 kDa protein 1	13% LC/MS/MS	P08107	5.5/70.03	5.5/73.96	mitochondria
40	human Serum albumin precursor	18% LC/MS/MS	P02768	5.9/69.35	5.4/74.24	?
41	mitochondrial Stress-70 protein (Mortalin) precursor	24% LC/MS/MS	P38646	6.0/73.76	5.5/77.05	mitochondria
	Heat shock 60 kDa protein mitochondrial precursor	17% LC/MS/MS	P10809	5.7/61.4	5.5/77.05	mitochondria
42	Glucose related protein 78	35%	P11021	5.0/72.10	4.9/76.76	reticulum
43	Glucose related protein 78	15% LC/MS/MS	P11021	5.0/72.10	4.9/77.05	reticulum
44	Valosin-containing protein	34%	P55072	5.1/89.30	5.2/96.29	cytosol
45	Glucose related protein 94	23%	P14625	4.8/92.45	4.7/98.10	reticulum