

Table S1, related to Figure 1

a

Gene nomenclature		Mass spectrometry results/hits:					SecretomeP annotation/potential for secretion.			
Name	Symbol	Swissprot Accession #	MS Score	Protein Mass	Ratio H/L (Hpx/Nmx)	# peptides identified	Classical secretion		Non-classical secretion	
							Signal peptide prediction	NN-score	Odds	Potential:
SPARC-like 1	Sparcl1	SPRL1_MOUSE	633	72270	37.84	13	Yes	0.594	1.349	Maybe
collagen, type VI, alpha 1	Col6a1	CO6A1_MOUSE	584	108422	2.167	11	Yes	0.191	0.376	No
fatty acid binding protein 4	Fabp4	FABP4_MOUSE	1560	14641	1.524	11	No	0.755	2.687	Yes
ectonucleotide pyrophosphatase/phosphodiesterase 2	Enpp2	ENPP2_MOUSE	546	98821	1.152	12	Yes	0.435	0.843	No
collagen, type VI, alpha 2	Col6a2	CO6A2_MOUSE	631	110266	0.9343	11	Yes	0.177	0.352	No
biglycan	Bgn	PGS1_MOUSE	694	41613	0.7851	7	Yes	0.715	2.191	Yes
prolyl 4-hydroxylase, beta polypeptide	P4hb	PDIA1_MOUSE	273	57108	0.7519	7	Yes	0.731	2.457	Yes
collagen, type IV, alpha 2	Col4a2	CO4A2_MOUSE	189	167220	0.6334	6	Yes	0.093	0.205	No
vimentin	Vim	VIME_MOUSE	1504	53655	0.5564	15	No	0.728	2.445	Yes
heat shock protein 5	Hspa5	GRP78_MOUSE	1468	72377	0.5261	15	Yes	0.753	2.685	Yes
protein disulfide isomerase associated 4	Pdia4	PDIA4_MOUSE	545	71929	0.4923	10	Yes	0.523	1.133	Maybe
collagen, type III, alpha 1	Col3a1	CO3A1_MOUSE	825	138858	0.4809	14	Yes	0.536	1.152	Maybe
calumenin	Calu	CALU_MOUSE	253	37041	0.471	6	Yes	0.756	2.555	Yes
haptoglobin	Hp	HPT_MOUSE	588	38727	0.3281	5	Yes	0.72	2.178	Yes
collagen, type I, alpha 2	Col1a2	CO1A2_MOUSE	4000	129478	0.3274	39	Yes	0.22	0.421	No
adiponectin	Adipoq	ADIPO_MOUSE	1050	26824	0.3112	8	Yes	0.871	4.854	Yes
complement component 3	C3	CO3_MOUSE	4717	186365	0.2916	55	Yes	0.233	0.465	No
secreted acidic cysteine rich glycoprotein	Sparc	SPRC_MOUSE	259	34428	0.2794	6	Yes	0.921	6.384	Yes
collagen, type I, alpha 1	Col1a1	CO1A1_MOUSE	1237	137948	0.2321	16	Yes	0.174	0.35	No
lipoprotein lipase	Lpl	LIPL_MOUSE	569	53093	0.2292	7	Yes	0.83	3.849	Yes
retinoic acid receptor responder (tazarotene induced) 2	Rarres2	RARR2_MOUSE	338	18338	0.04245	5	Yes	0.959	7.326	Yes

b

Gene nomenclature			Gene function			Tissue distribution
Name	Symbol	Alias	Function	Reference:	PMID:	GeneAtlas U133A, gcrma
SPARC-like 1	Sparcl1	Hevin	Maintenance of extracellular matrix	Sullivan et.al., J Biol Chem. 2006 Sep 15;281(37):27621-32	16844696	Low level expression in many tissues
collagen, type VI, alpha 1	Col6a1	Collagen VI	Large extracellular matrix protein	Cheng et.al., Nat Neurosci. 2009 Feb;12(2):119-21.	19122666	Highly expressed in adipocyte, smooth muscle and uterus.
fatty acid binding protein 4	Fabp4	Ap2	Adipocyte fatty acid binding and signalling	Hotamisligil et.al., Science. 1996 Nov 22;274(5291):1377-9.	8910278	Highly expressed in adipocyte.
ectonucleotide pyrophosphatase/phosphodiesterase 2	Enpp2	Autotaxin	Soluble lysophospholipaseD	Dusaulcy et.al., J Lipid Res. 2011 Jun;52(6):1247-55.	21421848	Low level expression in many tissues