

Supplemental Table 1

(ECM constituents shared between morphologically normal alveoli and blood vessels)

UniProt	Protein name	Gene symbol	Accession
Q9Y6C2	EMILIN-1 (Elastin microfibril interface-located protein 1) (Elastin microfibril interfacier 1)	<i>EMILIN1</i>	EMIL1
P02452	Collagen alpha-1(I) chain (Alpha-1 type I collagen)	<i>COL1A1</i>	CO1A1
P02461	Collagen alpha-1(III) chain	<i>COL3A1</i>	CO3A1
P02462	Collagen alpha-1(IV) chain [Cleaved into: Arresten]	<i>COL4A1</i>	CO4A1
P05997	Collagen alpha-2(V) chain	<i>COL5A2</i>	CO5A2
P12110	Collagen alpha-2(VI) chain	<i>COL6A2</i>	CO6A2
P12111	Collagen alpha-3(VI) chain	<i>COL6A3</i>	CO6A3
P27658	Collagen alpha-1(VIII) chain (Endothelial collagen) [Cleaved into: Vastatin]	<i>COL8A1</i>	CO8A1
P12107	Collagen alpha-1(XI) chain	<i>COL11A1</i>	COBA1
Q99715	Collagen alpha-1(XII) chain	<i>COL12A1</i>	COCA1
P01040	Cystatin-A (Cystatin-AS) (Stefin-A) [Cleaved into: Cystatin-A, N-terminally processed]	<i>CSTA</i>	CYTA
P08311	Cathepsin G (CG) (EC 3.4.21.20)	<i>CTSG</i>	CATG
Q9UBR2	Cathepsin Z (EC 3.4.18.1) (Cathepsin P) (Cathepsin X)	<i>CTSZ</i>	CATZ
P07585	Decorin (Bone proteoglycan II) (PG-S2) (PG40)	<i>DCN</i>	PGS2
Q8IUX7	Adipocyte enhancer-binding protein 1 (AE-binding protein 1) (Aortic carboxypeptidase-like protein)	<i>AEBP1</i>	AEBP1
P30740	Leukocyte elastase inhibitor (LEI) (Monocyte/neutrophil elastase inhibitor) (EI) (M/NEI) (Peptidase inhibitor 2) (PI-2)	<i>SERPINB1</i>	ILEU
P23142	Fibulin-1 (FIBL-1)	<i>FBLN1</i>	FBLN1
P98095	Fibulin-2 (FIBL-2)	<i>FBLN2</i>	FBLN2
P35555	Fibrillin-1 [Cleaved into: Asprosin]	<i>FBN1</i>	FBN1
P02671	Fibrinogen alpha chain [Cleaved into: Fibrinopeptide A; Fibrinogen alpha chain]	<i>FGA</i>	FIBA
P02675	Fibrinogen beta chain [Cleaved into: Fibrinopeptide B; Fibrinogen beta chain]	<i>FGB</i>	FIBB
Q14112	Nidogen-2 (NID-2) (Osteonidogen)	<i>NID2</i>	NID2
Q63ZY3	KN motif and ankyrin repeat domain-containing protein 2 (Ankyrin repeat domain-containing protein 25) (Matrix-remodeling-associated protein 3)	<i>KANK2</i>	KANK2
P01023	Alpha-2-macroglobulin (Alpha-2-M) (C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5)	<i>A2M</i>	A2MG
P04083	Annexin A1 (Annexin I) (Annexin-1) (Calpactin II) (Calpactin-2) (Chromobindin-9) (Lipocortin I)	<i>ANXA1</i>	ANXA1
P12429	Annexin A3 (35-alpha calcimedlin) (Annexin III) (Annexin-3) (Inositol 1,2-cyclic phosphate 2-phosphohydrolase) (Lipocortin III)	<i>ANXA3</i>	ANXA3
P09525	Annexin A4 (35-beta calcimedlin) (Annexin IV) (Annexin-4) (Carbohydrate-binding protein p33/p41) (Chromobindin-4) (Endonexin I)	<i>ANXA4</i>	ANXA4
P08758	Annexin A5 (Anchorin CII) (Annexin V) (Annexin-5) (Calphobindin I) (CBP-I) (Endonexin II) (Lipocortin V)	<i>ANXA5</i>	ANXA5
P02790	Hemopexin (Beta-1B-glycoprotein)	<i>HPX</i>	HEMO
P04196	Histidine-rich glycoprotein (Histidine-proline-rich glycoprotein) (HPRG)	<i>HRG</i>	HRG

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O00468	Agrin [Cleaved into: Agrin N-terminal 110 kDa subunit; Agrin C-terminal 110 kDa subunit; Agrin C-terminal 90 kDa fragment (C90)]	<i>AGRN</i>	AGRIN
Q86YZ3	Hornerin	<i>HRNR</i>	HORN
Q5D862	Filaggrin-2 (FLG-2) (Intermediate filament-associated and psoriasis-susceptibility protein) (Ifapsoriasis)	<i>FLG2</i>	FILA2
O15230	Laminin subunit alpha-5 (Laminin-10 subunit alpha) (Laminin-11 subunit alpha) (Laminin-15 subunit alpha)	<i>LAMA5</i>	LAMA5
P09382	Galectin-1 (Gal-1) (14 kDa laminin-binding protein) (HLBP14) (14 kDa lectin) (Beta-galactoside-binding lectin L-14-I) (Galaptin)	<i>LGALS1</i>	LEG1
Q14767	Latent-transforming growth factor beta-binding protein 2 (LTBP-2)	<i>LTBP2</i>	LTBP2
P51884	Lumican (Keratan sulfate proteoglycan lumican) (KSPG lumican)	<i>LUM</i>	LUM
P14543	Nidogen-1 (NID-1) (Entactin)	<i>NID1</i>	NID1
P20774	Mimecan (Osteoglycin) (Osteoinductive factor) (OIF)	<i>OGN</i>	MIME
P01009	Alpha-1-antitrypsin (Alpha-1 protease inhibitor) (Alpha-1-antiproteinase) (Serpina1)	<i>SERPINA1</i>	A1AT
P35237	Serpina6 (Cytoplasmic antiproteinase) (CAP) (Peptidase inhibitor 6) (PI-6) (Placental thrombin inhibitor)	<i>SERPINA6</i>	SPB6
P51888	Prolargin (Proline-arginine-rich end leucine-rich repeat protein)	<i>PRELP</i>	PRELP
P26447	Protein S100-A4 (Calvasculin) (Metastasin) (Placental calcium-binding protein) (Protein Mts1) (S100 calcium-binding protein A4)	<i>S100A4</i>	S10A4
P05109	Protein S100-A8 (Calgranulin-A) (Calprotectin L1L subunit) (Cystic fibrosis antigen) (CFAG) (Leukocyte L1 complex light chain)	<i>S100A8</i>	S10A8
P06702	Protein S100-A9 (Calgranulin-B) (Calprotectin L1H subunit) (Leukocyte L1 complex heavy chain)	<i>S100A9</i>	S10A9
P29508	Serpina3 (Protein T4-A) (Squamous cell carcinoma antigen 1) (SCCA-1)	<i>SERPINA3</i>	SPB3
P21980	Protein-glutamine gamma-glutamyltransferase 2 (EC 2.3.2.13) (Tissue transglutaminase) (Transglutaminase C) (TG(C)) (TGC)	<i>TGM2</i>	TGM2
Q08188	Protein-glutamine gamma-glutamyltransferase E (EC 2.3.2.13) (Transglutaminase E) (TG(E)) (TGE) (TGase E) (Transglutaminase-3)	<i>TGM3</i>	TGM3
Q05707	Collagen alpha-1(XIV) chain (Undulin)	<i>COL14A1</i>	COEA1
P04004	Vitronectin (VN) (S-protein) (Serum-spreading factor) (V75) [Cleaved into: Vitronectin V65 subunit; Vitronectin V10 subunit]	<i>VTN</i>	VTNC
P04275	von Willebrand factor (vWF) [Cleaved into: von Willebrand antigen 2 (von Willebrand antigen II)]	<i>VWF</i>	VWF
Q96P63	Serpina12	<i>SERPINA12</i>	SPB12
P55083	Microfibril-associated glycoprotein 4	<i>MFAP4</i>	MFAP4
P49257	Protein ERGIC-53 (ER-Golgi intermediate compartment 53 kDa protein) (Gp58) (Intracellular mannose-specific lectin MR60)	<i>LMAN1</i>	LMAN1
P55268	Laminin subunit beta-2 (Laminin B1s chain) (Laminin-11 subunit beta) (Laminin-14 subunit beta) (Laminin-15 subunit beta)	<i>LAMB2</i>	LAMB2

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P02751	Fibronectin (FN) (Cold-insoluble globulin) (CIG) [Cleaved into: Anastellin; Ugl-Y1; Ugl-Y2; Ugl-Y3]	<i>FN1</i>	FINC
P50454	Serpin H1 (47 kDa heat shock protein) (Arsenic-transactivated protein 3) (AsTP3) (Cell proliferation-inducing gene 14 protein)	<i>SERPINH1</i>	SERPH
P17931	Galectin-3 (Gal-3) (35 kDa lectin) (Carbohydrate-binding protein 35) (CBP 35) (Galactose-specific lectin 3)	<i>LGALS3</i>	LEG3
Q9UBX5	Fibulin-5 (FIBL-5) (Developmental arteries and neural crest EGF-like protein) (Dance) (Urine p50 protein) (UP50)	<i>FBLN5</i>	FBLN5
P01011	Alpha-1-antichymotrypsin (ACT) (Cell growth-inhibiting gene 24/25 protein) (Serpin A3)	<i>SERPINA3</i>	AACT
P20908	Collagen alpha-1(V) chain	<i>COL5A1</i>	CO5A1
P01008	Antithrombin-III (ATIII) (Serpin C1)	<i>SERPINC1</i>	ANT3
P11047	Laminin subunit gamma-1 (Laminin B2 chain) (Laminin-1 subunit gamma) (Laminin-10 subunit gamma) (Laminin-11 subunit gamma)	<i>LAMC1</i>	LAMC1
P98160	Basement membrane-specific heparan sulfate proteoglycan core protein (HSPG) (Perlecan) (PLC)	<i>HSPG2</i>	PGBM
P13611	Versican core protein (Chondroitin sulfate proteoglycan core protein 2) (Chondroitin sulfate proteoglycan 2)	<i>VCAN</i>	CSPG2
P08572	Collagen alpha-2(IV) chain [Cleaved into: Canstatin]	<i>COL4A2</i>	CO4A2
P08123	Collagen alpha-2(I) chain (Alpha-2 type I collagen)	<i>COL1A2</i>	CO1A2
P12109	Collagen alpha-1(VI) chain	<i>COL6A1</i>	CO6A1
P08133	Annexin A6 (67 kDa calelectrin) (Annexin VI) (Annexin-6) (Calphobindin-II) (CPB-II) (Chromobindin-20) (Lipocortin VI)	<i>ANXA6</i>	ANXA6
P07339	Cathepsin D (EC 3.4.23.5) [Cleaved into: Cathepsin D light chain; Cathepsin D heavy chain]	<i>CTSD</i>	CATD
Q08380	Galectin-3-binding protein (Basement membrane autoantigen p105) (Lectin galactoside-binding soluble 3-binding protein)	<i>LGALS3BP</i>	LG3BP
Q15582	Transforming growth factor-beta-induced protein ig-h3 (Beta ig-h3) (Kerato-epithelin)	<i>TGFBI</i>	BGH3
P02679	Fibrinogen gamma chain	<i>FGG</i>	FIBG
P36955	Pigment epithelium-derived factor (PEDF) (Cell proliferation-inducing gene 35 protein) (EPC-1) (Serpin F1)	<i>SERPINF1</i>	PEDF
P19823	Inter-alpha-trypsin inhibitor heavy chain H2 (ITI heavy chain H2) (ITI-HC2) (Inter-alpha-inhibitor heavy chain 2)	<i>ITIH2</i>	ITIH2
P15502	Elastin (Tropoelastin)	<i>ELN</i>	ELN
P00488	Coagulation factor XIII A chain (Coagulation factor XIIIa) (EC 2.3.2.13) (Protein-glutamine gamma-glutamyltransferase A chain)	<i>F13A1</i>	F13A
P20073	Annexin A7 (Annexin VII) (Annexin-7) (Synexin)	<i>ANXA7</i>	ANXA7
P21810	Biglycan (Bone/cartilage proteoglycan I) (PG-S1)	<i>BGN</i>	PGS1
P00734	Prothrombin (EC 3.4.21.5) (Coagulation factor II)	<i>F2</i>	THRB
P19827	Inter-alpha-trypsin inhibitor heavy chain H1 (ITI heavy chain H1) (ITI-HC1) (Inter-alpha-inhibitor heavy chain 1)	<i>ITIH1</i>	ITIH1
Q9NVD7	Alpha-parvin (Actopaxin) (CH-ILKBP) (Calponin-like integrin-linked kinase-binding protein)	<i>PARVA</i>	PARVA
Q15063	Periostin (PN) (Osteoblast-specific factor 2) (OSF-2)	<i>POSTN</i>	POSTN
P39060	Collagen alpha-1(XVIII) chain [Cleaved into: Endostatin; Non-collagenous domain 1 (NC1)]	<i>COL18A1</i>	COIA1

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P60903	Protein S100-A10 (Calpactin I light chain) (Calpactin-1 light chain) (Cellular ligand of annexin II)	<i>S100A10</i>	S10AA
P50995	Annexin A11 (56 kDa autoantigen) (Annexin XI) (Annexin-11) (Calcyclin-associated annexin 50) (CAP-50)	<i>ANXA11</i>	ANX11
P06703	Protein S100-A6 (Calcyclin) (Growth factor-inducible protein 2A9) (MLN 4) (Prolactin receptor-associated protein) (PRA)	<i>S100A6</i>	S10A6
P07355	Annexin A2 (Annexin II) (Annexin-2) (Calpactin I heavy chain) (Calpactin-1 heavy chain) (Chromobindin-8) (Lipocortin II)	<i>ANXA2</i>	ANXA2