

Function	Protein name	Gene name	Uniprot Accession	Copy number per platelet (Burkhart et al. 2012)	Release (%) (activated ratio/resting ratio) (Wiiten et al 2013)	Releasate concentration (ng/ml) per platelet (Wijten et al 2013)	Concentration (ppm) (Wiiten et al 2013)	Fold change thrombin compared to collagen (Vélez et al. 2015)	Fold change collagen compared to thrombin (Vélez et al Sci Rep 2015)
anoiaoenesis									
(anti-)angiogenesis (also immunomodulatory facto	Histidine-rich glycoprotein	HRG	P04196	1,000	74.7	14	104		
angiogenesis	Angiopoietin-1	ANGPT1	Q15389	2,800	67.2	9	80		
(pro-)angiogenesis (also cell growth)	Vascular endothelial growth factor C	VEGFC	P49767	1,100	82.4	6	61		
angioenesis (also cell development)	Platelet-derived growth factor subunit B	PDGFB	P01127	3,000	59.6	6	110		
angiogenesis	Extracellular matrix protein 1	ECM1	Q16610	2,600	86.1	2	20		
cell adhesion									
cell adhesion (also (anti-)angiogenesis)	Thrombospondin-1	THBS1	P07996	101,000	74.9	2,261	3,638		2.0
cell adhesion	Fibrinogen gamma chain	FGG	P02679	74,100	33.0	667	5,607		4.6; 4.3; 3.5; 3.7
cell adhesion	Fibrinogen beta chain	FGB	P02675	88,900	33.1	614	5,431		
cell adhesion	Fibrinogen alpha chain	FGA	P02671	72,700	34.7	356	1,917		
cell adhesion	von Willebrand factor	VWF	P04275	11,100	27.5	160	450		
cell adhesion	Fibronectin	FN1	P02751	3,500	43.3	81	200	2.1	
cell adhesion	Vitronectin	VTN	P04004	3,200	49.1	9	111		
cell adhesion	Transforming growth factor-beta-induced protein ig-h3	TGFB1	Q15582	1,300	71.6	7	47		
cell death									
cell death (apoptosis)	Serglycin	SRGN	P10124	22,700	88.3	29	452		
cell arowth									
cell growth	SPARC	SPARC	P09486	19,200	82.6	147	1,034		
chemotaxis									
chemotaxis	Platelet basic protein	PPBP	P02775	479,000	86.8	1,474	14,395		
chemotaxis/innate immunity	C-C motif chemokine 5	RANTES (C	P13501	4,500	36.3	8	497		
coaagation									
pro-coagulation	Multimerin-1	MMRN1	Q13201	31,100	31.4	229	1,060		4.3
pro-coagulation	Coagulation factor V	F5	P12259	8,300	36.3	146	392	10.9	
pro-coagulation	Kininogen-1	KNG1	P01042	2,000	71.6	8	54		
pro-coagulation	Coagulation factor XIII B chain	F13B	P05160	1,200	77.8	2	14		
anti-coagulation (also fibrinolysis)	Vitamin K-dependent protein S	PROS1	P07225	5,300	79.2	47	217	2.0	
anti-coagulation	Antithrombin-III	SERPINC1	P01008	identified/not determined	75.0	10	84		
anti-coagulation	Amyloid-like protein 2	APLP2	Q06481	2,000	77.2	5	29		
fibrinolvsis									
(anti-)fibrinolysis	Plasminogen activator inhibitor 1	SERPINE1	P05121	5,900	80.6	57	386		
fibrinolysis	Plasminogen	PLG	P00747	4,400	69.7	19	98		
immunity									
innate immunity	Platelet factor 4	PF4	P02776	355,000	80.9	1,365	17,576		
innate immunity	Ig gamma-1 chain C region	IGHG1	P01857	4,100	81.7	120	854		
wound healing, immune system	Latent-transformina growth factor beta-binding protein 1	LTBP1	Q14766	15,300	41.5	160	487		
innate immunity	Complement C3	C3	P01024	3,000	83.3	80	153		
innate immunity	Ig gamma-2 chain C region	IGHG2	P01859	2,500	85.5	73	548		
innate immunity	Ig gamma-3 chain C region	IGHG3	P01860	6,700	76.0	69	511		
wound healing, immune system	Transforming growth factor beta-1	TGFB1	P01137	10,600	40.6	51	628		
innate immunity	Ig kappa chain C region	IGKC	P01834	19,600	80.1	45	993	2.1	
innate immunity	Ig lambda-2 chain C regions	IGLC2	P0CG05	21,400	84.3	27	628	2.1	
innate immunity	Complement factor H	CFH	P08603	2,300	80.1	15	51		
innate immunity	Ig alpha-1 chain C region	IGHA1	P01876	1,400	63.7	10	127		
innate immunity	Complement C4-A	C4A	P0C0L4	1,200	78.6	7	20		
adaptive immunity	Ig mu chain C region	IGHM	P01871	1,900	46.3	2	36		
innate immunity	Ig kappa chain V-I region CAR	KV104	P01596	750	76.9	2	76		
innate immunity	Ig kappa chain V-III region NG9 (Fragment)	KV303	P01621	not identified	80.9	1	33		
protease and protease inhibitors									
protease inhibitor	Alpha-1-antitrypsin	SERPINA1	P01009	5,800	73.3	41	311		
protease inhibitor	Glia-derived nexin	SERPINE2	P07093	5,400	63.6	18	181		
proease inhibitor	Metalloproteinase inhibitor 1	TIMP1	P01033	5,800	81.9	12	184	2.4	
proease inhibitor	Inter-alpha-trypsin inhibitor heavy chain H4	ITI14	Q14624	1,600	71.6	7	36		
proease inhibitor	Metalloproteinase inhibitor 3	TIMP3	P35625	4,000	63.2	2	59		
protein binding									
protein binding/folding	Clusterin	CLU	P10909	8,700	36.2	72	807	3.6	3.2; 4.2; 4.7
substrate transport									
substrate transport/carrier	Serum albumin	ALB	P02768	52,600	83.7	856	2,485	3.2	5.4; 11.5
substrate transport	Ceruloplasmin	CP	P00450	1,300	72.5	2	12		
others									
protein interaction	Nidogen-1	NID1	P14543	7,000	62.9	63	205		
unknown	Amyloid beta A4 protein	APP	P05067	9,300	78.9	43	182	2.4	
unknown	Alpha-1B-glycoprotein	A1BG	P04217	2,100	87.3	10	75		
collagenase	Interstitial collagenase	MMP1	P03956	not identified	88.9	5	43		
(pro-)inflammatory	Dickkopf-related protein 1	DKK1	O94907	not identified	85.8	1	25		
substrate binding	Selenoprotein P	SEPP1	P49908	1,100	72.8	1	12		