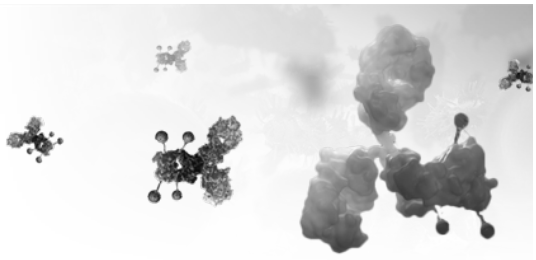

Human GP5 peptide (DAG-P1468)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Human platelet glycoprotein V (GP5) is a part of the Ib-V-IX system of surface glycoproteins that constitute the receptor for von Willebrand factor (VWF; MIM 613160) and mediate the adhesion of platelets to injured vascular surfaces in the arterial circulation, a critical initiating event in hemostasis. The main portion of the receptor is a heterodimer composed of 2 polypeptide chains, an alpha chain (GP1BA; MIM 606672) and a beta chain (GP1BB; MIM 138720), that are linked by disulfide bonds. The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX (GP9; MIM 173515) and GP5. Mutations in GP1BA, GP1BB, and GP9 have been shown to cause Bernard-Soulier syndrome (MIM 231200), a bleeding disorder (review by Lopez et al., 1998 [PubMed 9616133]).[supplied by OMIM, Nov 2010]
Specificity	Platelets and megakaryocytes.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 13 LRR (leucine-rich) repeats.Contains 1 LRRCT domain.Contains 1 LRRNT domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	GP5 glycoprotein V (platelet) [Homo sapiens (human)]
Official Symbol	GP5

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Synonyms	GP5; glycoprotein V (platelet); GPV; CD42d; platelet glycoprotein V; glycoprotein 5;
Entrez Gene ID	2814
mRNA Refseq	NM_004488.2
Protein Refseq	NP_004479.1
UniProt ID	P40197
Chromosome Location	3q29
Pathway	ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; GP1b-IX-V activation signalling, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Hemostasis, organism-specific biosystem; Intrinsic Pathway, organism-specific biosystem; Platelet Adhesion to exposed collagen, organism-specific biosystem;
Function	collagen binding;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221