

Product datasheet for **TP727571**

CD36 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Platelet Glycoprotein IV/SR-B3 Fc Chimera Protein/CD36(C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gly30-Asn439
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human platelet membrane glycoprotein IV is produced by our Mammalian expression system and the target gene encoding Gly30-Asn439 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	948
UniProt ID:	<u>P16671</u>
Synonyms:	Fatty acid translocase; Glycoprotein IIIb;FATCHDS7; Leukocyte differentiation antigen CD36; PAS IV;Platelet collagen receptor;SCARB3; Thrombospondin receptor; CD36



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Summary:

Platelet Glycoprotein 4 (CD36) is an integral membrane glycoprotein that has multiple physiological functions. It is broadly expressed on a variety of cell types including microvascular endothelium, adipocytes, skeletal muscle, epithelial cells of the retina, breast, and intestine, smooth muscle cells, erythroid precursors, platelets, megakaryocytes, dendritic cells, monocytes/macrophages, and microglia. As a member of the scavenger receptor family, CD36 is a multiligand pattern recognition receptor that interacts with a large number of structurally dissimilar ligands, including long chain fatty acid (LCFA), advanced glycation end products (AGE), thrombospondin-1, oxidized lowdensity lipoproteins (oxLDLs), high density lipoprotein (HDL), phosphatidylserine, apoptotic cells, β^2 amyloid fibrils (fA β^2), collagens I and IV, and Plasmodium falciparum infected erythrocytes. CD36 is required for the antiangiogenic effects of thrombospondin-1 in the corneal neovascularization assay. It plays a role in lipid metabolism and has been identified as a fatty acid translocase necessary for the binding and transport of LCFA in cells and tissues.

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Adipocytokine signaling pathway, ECM-receptor interaction, Hematopoietic cell lineage, PPAR signaling pathway