

Product datasheet for **TP710013**

CD36 (NM_000072) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human CD36 molecule (thrombospondin receptor) (CD36),full length,with C-terminal polyhistidine tag, expressed in sf9 cell |
| Species: | Human |
| Expression Host: | Sf9 |
| Expression cDNA Clone or AA Sequence: | A DNA sequence from TrueORF clone, RC203254, encoding human full-length CD36 |
| Tag: | C-His |
| Predicted MW: | 53 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 20 mM 1 x PBS, pH 7.6, 150 mM NaCl, 20% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_000063 |
| Locus ID: | 948 |
| UniProt ID: | P16671 , A4D1B1 |
| RefSeq Size: | 2108 |
| Cytogenetics: | 7q21.11 |
| RefSeq ORF: | 1416 |
| Synonyms: | BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3 |



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Summary:

The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2014]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

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

Product images: