

Product datasheet for **TP325799L**

CD36 (NM_001127443) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Homo sapiens CD36 molecule (thrombospondin receptor) (CD36), transcript variant 4, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC225799 protein sequence Red =Cloning site Green =Tags(s) |

MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVWLEEGTIAFKNWWKTGTEVYRQFWIFDV
QNPQEVMMNSSNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVSFLQPNGAIFEPSLSVGTEADNFTVLNL
AVAAASHIYQNQFVQMILNSLINKSSMFQVRTLRELLWGYRDPFLSLVPYPVTTTVGLFPYNNTADG
VYKVFNGKDNISKVAIIDTYKGRNLSYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFE
SDVNLKGIPVYRFLPSKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLPHFLYAS
PDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLKPKSEKIQLKLNKRNIVPILWLNETG
TIGDEKANMFRSQVTGKINLLGLIEMILLSVGVMMFVAFMISYCACRSKTIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 52.9 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| 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. |



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RefSeq: [NP_001120915](#)

Locus ID: 948

UniProt ID: [P16671](#), [A4D1B1](#)

RefSeq Size: 1814

Cytogenetics: 7q21.11

RefSeq ORF: 1416

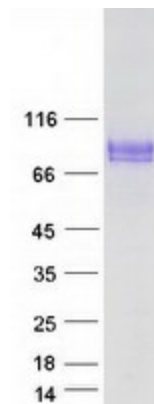
Synonyms: BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3

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:



Coomassie blue staining of purified CD36 protein (Cat# [TP325799]). The protein was produced from HEK293T cells transfected with CD36 cDNA clone (Cat# [RC225799]) using MegaTran 2.0 (Cat# [TT210002]).