

## Product datasheet for TP321976M

### CD36 (NM\_001001548) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens CD36 molecule (thrombospondin receptor) (CD36), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221976 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVWLEEGTIAFKNWWKTGTEVYRQFWIFDV QNPQEVMMNSSNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVSFLQPNGAIFEPSLSVGTEADNFTVLNL AVAAASHIYQNQFVQMILNSLINKSSMFQVRTLRELLWGYRDPFLSLVPYPVTTTVGLFPYNNTADG VYKVFNGKDNISKVAIIDTYKGRNLSYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFE SDVNLKGIPVYRFLPSKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLPHFLYAS PDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLKPKSEKIQLVNLKRNIVPILWLNETG TIGDEKANMFRSQVTGKINLLGLIEMILLSVGVMMFVAFMISYCACRSKTIK</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
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\\_001001548](#)

Locus ID: 948

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

RefSeq Size: 4727

Cytogenetics: 7q21.11

RefSeq ORF: 1416

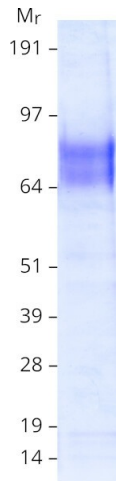
Synonyms: BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3

**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# [TP321976]). The protein was produced from HEK293T cells transfected with CD36 cDNA clone (Cat# [RC221976]) using MegaTran 2.0 (Cat# [TT210002]).