

## Product datasheet for PH325800

### CD36 (NM\_001127444) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CD36 MS Standard C13 and N15-labeled recombinant protein (NP_001120916)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225800
Predicted MW:	53.1 kDa
Protein Sequence:	>RC225800 protein sequence Red=Cloning site Green=Tags(s)

MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVVL EEGTIAFKNWKVTGTEVYRQFWIFDV  
QNPQEVMMNSSNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVSFLQPNGAIFEPSLSVGTEADNFTVLNL  
AVAAASHIYQNQFVQMILNSLINKSSMFQVRTLRELLWGYRDPFLSLVPYPVTTTGLFYPYNNADG  
VYKVFNGKDNISKVAIIDTYKGRNLSYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFE  
SDVNLKGIPIVYRFVLPKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLPHFLYAS  
PDVSEPIDGLNPNEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPSEKIQVLKLNKRNVIYPILWLN ETG  
TIGDEKANMFRSQVTGKINLLGLIEMILLSVGVVMFVAFMISYCACRSKTIK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001120916</u>
RefSeq Size:	1989
RefSeq ORF:	1416
Synonyms:	BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3



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Locus ID: 948

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

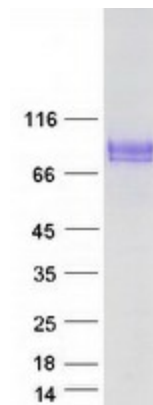
Cytogenetics: 7q21.11

**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# [TP325800]). The protein was produced from HEK293T cells transfected with CD36 cDNA clone (Cat# [RC225800]) using MegaTran 2.0 (Cat# [TT210002]).