

Recombinant Full Length Human CD36 Protein, C-Flag-tagged

Cat. No. CD36-39HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CD36 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	52.9 kDa
AA Sequence	MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVVLLEEGTIAFKNWWVKTG TEVYRQFWIFDV QNPQEVMMNSSNIQVKQRGPYTYRVRFLAKENVQTQDAEDNTVS FLQPNGAIFEPSLSVGTEADNFTVLNL AVAAASHIYQNQFVQMILNSLINKSKSSMFQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VRTLRELLWGYRDPFLSLVPYPVTTTVGLFYYPYNNADG VYKVFNGKDNISKVAIIDT
 YKGKRNL SYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFE SDVNLK
 GIPVYRFVLPSKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLPH
 FLYAS PDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPSEKIQLVKN
 LKRNYIVPILWLNETG
 TIGDEKANMFRSQVTGKINLLGLIEMILLSVGVMFVAFMISYCACRSKTIKTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Adipocytokine signaling pathway, ECM-receptor interaction, Hematopoietic cell lineage, PPAR signaling pathway
Full Length	Full L.

GENE INFORMATION

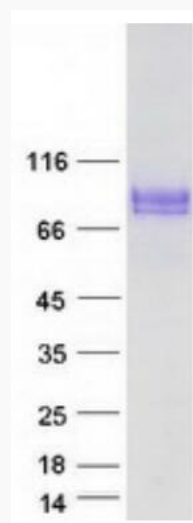
Gene Name CD36 CD36 molecule [Homo sapiens (human)]

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Official Symbol	CD36
Synonyms	FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10
Gene ID	948
mRNA Refseq	NM_001001548.3
Protein Refseq	NP_001001548.1
MIM	173510
UniProt ID	P16671



Coomassie blue staining of purified CD36 protein.

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