Recombinant Human CD36, His-tagged

Cat. No. CD36-27868TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD36 (amino acids 1-472) with a N terminal His tag; predicted MWt 77.99 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	472 amino acids
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 encoding the same protein have been found for this gene.
Conjugation	HIS
Molecular Weight	77.990kDa inclusive of tags
Form	Liquid

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

Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKK QVVLEEGTIAFKNWVKTG TEVYRQFWIFDVQNPQEVMMNS SNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVS FLQPNGA IFEPSLSVGTEADNFTVLNLAVAAASHIYQNQFVQMILNS LINKSKSSMF QVRTLRELLWGYRDPFLSLVPYPVTTTVGL FYPYNNTADGVYKVFNGKDNISKVAII DTYKGKRNLSYWE SHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFE SDV NLKGIPVYRFVLPSKAFASPVENPDNYCFCTEKII SKNCTSYGVLDISKCKEGRPVYI SLPHFLYASPDVSEPID GLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPS EKI QVLKNLKRNYIVPILWLNETGTIGDEKANMFRSQVTG KINLLGLIEMILLSVGVVMFVA FMISYCACRSKTIK
Sequence Similarities	Belongs to the CD36 family.

GENE INFORMATION

Gene Name	CD36 CD36 molecule (thrombospondin receptor) [Homo sapiens]
Official Symbol	CD36
Synonyms	CD36; CD36 molecule (thrombospondin receptor); CD36 antigen (collagen type I receptor, thrombospondin receptor); platelet glycoprotein 4; FAT; GP3B; GP4; GPIV; SCARB3;
Gene ID	948

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mRNA Refseq	NM_000072
Protein Refseq	NP_000063
MIM	173510
Uniprot ID	P16671
Chromosome Location	7q11.2
Pathway	Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing &
Function	Gram-negative bacterial cell surface binding; Gram-positive bacterial cell surface binding; high-density lipoprotein particle binding; lipid binding; lipoprotein particle binding;

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