

Recombinant Full Length Human CD36 Protein, GST-tagged

Cat. No. CD36-3169HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD36 full-length ORF (NP_000063.2, 1 a.a. - 472 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
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 have been found for this gene. [provided by RefSeq, Feb 2014]
Molecular Mass	79.5 kDa
AA Sequence	MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVVLEEGTIAFKNWVKTG TEVYRQFWIFDVQNPQEVMMNSSNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVS FLQPNGAIFEPSLSVGTEADNFTVLNLAVAAASHIYQNQFVQMILNSLINKSKSSMFQ

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VRTLRELLWGYRDPFLSLVPYPVTTTVGLFYYPYNNNTADGVYKVFNGKDNISKVAIIDT
 YKGKRNL SYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFESDVNLK
 GIPVYRFVLPSKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLP
 FLYASPDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPSEKIQVLKN
 LKRNYIVPILWLNETGTIGDEKANMFRSQVTGKINLLGLIEMILLSVGVVMFVAFMISY
 CACRSKTIK

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; GPIIIB; PAS IV; PAS-4 protein; glycoprotein IIIb; cluster determinant 36;
 fatty acid translocase; platelet glycoprotein IV; scavenger receptor class B, member
 3; leukocyte differentiation antigen CD36; CHDS7; PASIV; BDPLT10;

Gene ID

948

mRNA Refseq

NM_000072

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Protein Refseq	NP_000063
MIM	173510
UniProt ID	P16671

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