

Recombinant Human CD36 Protein

Cat. No. CD36-0794H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD36 full-length ORF (NP_000063.2) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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]
Form	Liquid
Molecular Mass	53.1 kDa
AA Sequence	MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVWLEEGTIAFKNWWVKTG TEVYRQFWIFDVQNPQEVMNNSSNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVS FLQPNGAIFEPSLSVGTEADNFTVLNLAVAAASHIYQNQFVQMILNSLINKSKSSMFQ VRTLRELLWGYRDPFLSLVPYPVTTTGVGLFYYPYNNNTADGVYKVFNGKDNISKVAIIDT

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YKGKRNL SYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFESDVNLK
GIPVYRFVLP SKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLPH
FLYASPDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPSEKIQVLKN
LKRNYIVPILWLN ETGTIGDEKANMFRSQVTGKINLLGLIEMILLSVGVMFVAFMISY
CACRSKTIK

Applications

Antibody Production
Functional Study
Compound Screening

Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage

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

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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; GPIIB; PAS IV; PAS-4 protein; glycoprotein IIb; 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](#)

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mRNA Refseq	NM_000072
Protein Refseq	NP_000063
MIM	173510
UniProt ID	P16671

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