

Recombinant Human CD36 Protein, GST-Tagged

Cat. No. CD36-0795H **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	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]
Molecular Mass	79.5 kDa
AA Sequence	MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVVLEEGTIAFKNWWVKTG TEVYRQFWIFDVQNPQEVMMNSSNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVS FLQPNGAIFEPSLSVGTEADNFTVLNLAVAAASHIYQNQFVQMILNSLINKSKSSMFQ VRTLRELLWGYRDPFLSLVPYPVTTTVGLFYYPYNNADGVYKVFNGKDNISKVAIIDT

 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

YKGKRNL SYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFESDVNLK
GIPVYRFVLP SKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLPH
FLYASPDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPSEKIQVLKN
LKRNYIVPILWLN ETGTIGDEKANMFRSQVTGKINLLGLIEMILLSVGVMFVAFMISY
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; 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

mRNA Refseq NM_000072

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Protein Refseq	NP_000063
MIM	173510
UniProt ID	P16671

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