

Recombinant Full Length Human CD36 Protein, His-tagged

Cat. No. CD36-57HF **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	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 encoding the same protein have been found for this gene.
Form	Liquid
Molecular Mass	77.990kDa inclusive of tags
AA Sequence	MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKK QVVLEEGTIAFKNWWKTG

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TEVYRQFWIFDVQNPQEVMMNS SNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVS
 FLQPNGA IFEPSLSVGTEADNFTVLNLAVAAAASHIYQNQFVQMILNS LINKSKSSMF
 QVRTLRELLWGYRDPFLSLVPYPVTTTVGL FYPYNNTADGVYKVFNGKDNISKVAII
 DTYKGKRNLSEWE SHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFE SDV
 NLKGIPVYRFVLPKAFASPVENPDNYCFCTEKII SKNCTSYGVLDISKCKEGRPVYI
 SLPHFLYASPDVSEPID GLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPS EKI
 QVLKNLKRNYIVPILWLNETGTIGDEKANMFRSQVTG KINLLGLIEMILLSVGVMFVA
 FMISYCACRSKTIK

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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

mRNA Refseq NM_000072

Protein Refseq NP_000063

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MIM	173510
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UniProt ID	P16671
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