

Recombinant Full Length Human CD36 molecule (thrombospondin receptor) VLPs, GFP-tagged

Cat. No. CD36-001HV **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CD36 VLPs with GFP-tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Full length
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.
Tag	C-EGFP
AA Sequence	GCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVVLEEGTIAFKNWVKTGT EVYRQFWIFDVQNPQEVMMNSSNIQVKQRGPYTYRVRFLAKENVTDQDAEDNTVSFL

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QPNGAIFEPSLSVGTEADNFTVLNLAVAAASHIYQNQFVQMILNSLINKSKSSMFQVR
 TLRELLWGYRDPFLSLVPYPVTTTVGLFYYPYNNNTADGVYKVFNGKDNISKVAIIDTYK
 GKRNL SYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFESDVNLKGI
 PVYRFVLPSKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLPHFL
 YASPDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPSEKIQVLKNLK
 RNYIVPILWLNETGTIGDEKANMFRSQVTGKINLLGLIEMILLSVGVMFVAFMISYCA
 CRSKTIK

Endotoxin

< 1 EU/μg by LAL.

Notes

Mix the sample gently by repeatedly pipetting it up and down. Do not vortex.
 Repeated freezing and thawing is not recommended.
 The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

Storage

Store it under sterile conditions at -20 to -80 centigrade twelve months from the date of receipt.

Storage Buffer

Lyophilized from a 0.2 μm sterile filtered PBS, 6 % Trehalose, pH 7.4. The volume before lyophilization is 82μl/vial.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 centigrade. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing.

GENE INFORMATION

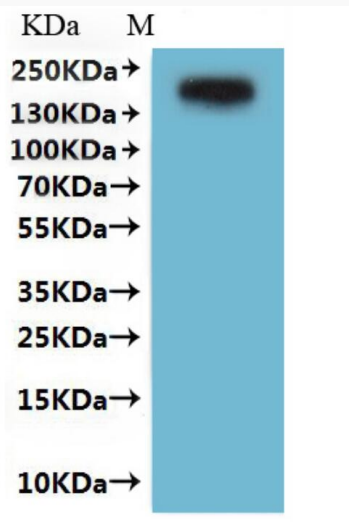
Gene Name

CD36 CD36 molecule (thrombospondin receptor) [Homo sapiens (human)]

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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
Protein Refseq	NP_000063
MIM	173510
UniProt ID	P16671
SDS-PAGE	

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Predicted band size - 79.9 kDa; Observed band size - 160 kDa

It is detected by Mouse anti-EGFP monoclonal antibody.

This tag can be tested only under denaturing conditions.

It is speculated that the protein forms a dimeric structure.

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