

Active Recombinant Full Length Human CD36 molecule Protein, Flag-tagged, Biotin Labeled, Nanodisc

Cat. No. CD36-2954HB Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Human CD36 Full Length Transmembrane protein(P16671), Nanodisc, was expressed in HEK293. Purified protein was labeled with biotin in vitro.

Species

Human

Source

HEK293

ProteinLength

1-472aa

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

Flag

Conjugation/Label

Biotin

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Bio-activity	Elisa plates were pre-coated with Flag Tag CD36-Nanodisc (0.2 µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CD36-Nanodisc is 4.557 ng/mL.
Molecular Mass	53.1 kDa
Labeling Efficiency	2.27
Storage	Store at 4 centigrade. Do NOT Freeze.
Storage Buffer	PBS buffer
Concentration	107 µg/mL
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD36 CD36 molecule (CD36 blood group) [Homo sapiens (human)]
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

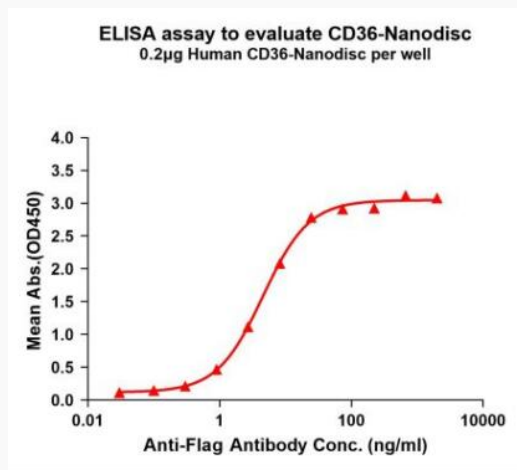
mRNA Refseq [NM_000072](#)

Protein Refseq [NP_000063](#)

MIM [173510](#)

UniProt ID [P16671](#)

Activity

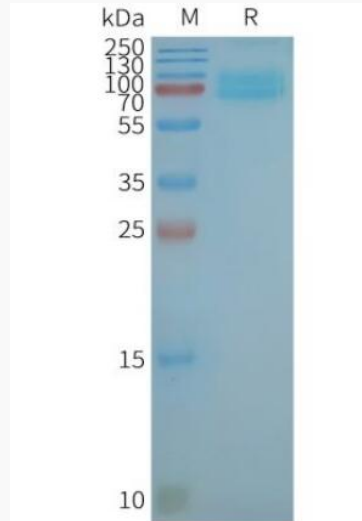


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SDS-PAGE



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