

Product Information

MemDX™ Membrane Protein Human CD36 (CD36 molecule) expressed in sf9 cells for Antibody Discovery

Cat. No.: **MP1313J**

This product is for research use only and is not intended for diagnostic use.

This product is a 53 kDa Human CD36 membrane protein expressed in Sf9. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD36

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

53 kDa

TMD

2

Sequence

MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLIQQKTIKKQVVLEEGTIAFKKNWVKTGTEVYRQFWIFDV
QNPQEVMNNSNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVSFLQPNGAIFEPEPSLSVGTEADNFTVLNL
AVAAASHIYQNQFVQMLNSLINKSNSMFQVRTLRELLWGYRDPFLSLVPYPVTTVGLFPYNNNTADG
VYKVFNGKDNISKVAAIDTYKGKRNLSYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFE
SDVNLKGIPVYRFVLPSKAFASPVENPDNYCFCTEKIISKNCTSYGVLDISKCKEGRPVYISLPHFLYAS
PDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPSEKIQVLKNLKRNYIVPILWLNETG
TIGDEKANMFRSQVTGKINLLGLIEMILLSVGVVMFVAFMISYACRSKTIK

Product Description

Expression Systems

Sf9

Tag

C-His

Form

Liquid

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

20mM 1 x PBS pH7.6, 150mM NaCl, 20% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CD36

Full Name

CD36 molecule

Introduction

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.

Alternative Names

FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10; GPIIIB; PAS IV; PAS-4 protein; cluster determinant 36; fatty acid translocase; glycoprotein IIIb; leukocyte differentiation antigen CD36; platelet glycoprotein IV; scavenger receptor class B, member 3

Gene ID

[948](#)

UniProt ID

[P16671](#)