

# Product Information

## MemDX™ Membrane Protein Human CD36 (CD36 molecule) expressed in Sf9 for Antibody

### Discovery

Cat. No.: **MP0076Q**

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

MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVVLEEGTIAFKNWVKTGTEVYRQFWIFDVQNPQEVMMNSSNIQVKQ  
VYKVFNGKDNISKVAIIDTYKGKRNL SYWESHCDMINGTDAASFPPFVEKSQVLQFFSSDICRSIYAVFESDVNLKGIPVYRFVLP SKA

### Product Description

#### Expression Systems

Sf9

#### Tag

His

#### Form

Powder

#### 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**

BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3; platelet glycoprotein 4; CD36 antigen (collagen type I receptor, thrombospondin receptor); CD36 molecule (thrombospondin receptor); GPIIB; GPIV; CD36; Thrombospondin receptor; PAS-4; Platelet collagen receptor; PAS-4 protein; cluster determinant 36; fatty acid translocase; glycoprotein IIb; leukocyte differentiation antigen CD36; platelet glycoprotein IV; scavenger receptor class B, member 3

**Gene ID**

[948](#)

**UniProt ID**

[P16671](#)