

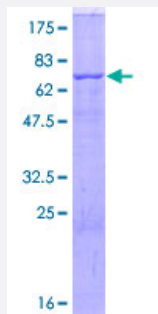
Full-Length

## CD36 (Human) Recombinant Protein (P02)

Catalog # H00000948-P02

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human CD36 full-length ORF ( NP\_000063.2, 1 a.a. - 472 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MGCDRNCGLIAGAVIGAVLAVFGGILMPVGDLLIQKTIKKQVVLEEGTIAFKNWVKTGTEVYRQFWI  
FDVQNPQEVMNSSNIQVKQRGPYTYRVRFLAKENVTQDAEDNTVSFLQPNGAIFEPSLSVGTE  
ADNFTVLNLAVAAASHYQNQFVQMILNSLINKSKSSMFQVRTLRELLWGYRDPFLSLVPYPVTTTV  
GLFYYPYNTADGVYKVFNGKDNISKVAIIDTYKGKRNL SYWESHCDMINGTDAASFPPFVEKSQVL  
QFFSSDICRSIYAVFESDVNLKGIPVYRFVLPSKAFASPVENPDNYCFCTEKISKNCTSYGVLDISK  
CKEGRPVYISLPFLYASPDVSEPIDGLNPNEEEHRTYLDIEPITGFTLQFAKRLQVNLLVKPSEKIQ  
VLKNLKRNYVPILWLNETGTIGDEKANMFRSQVTGKINLLGLIEMILLSVGVVFMVAFMISYCACRS  
KTIK

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

79.5

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CD36

**Entrez GeneID**
[948](#)
**GeneBank Accession#**
[NM\\_000072.2](#)
**Protein Accession#**
[NP\\_000063.2](#)
**Gene Name**

CD36

**Gene Alias**

CHDS7, FAT, GP3B, GP4, GPIV, PASIV, SCARB3

**Gene Description**

CD36 molecule (thrombospondin receptor)

**Omim ID**
[173510](#) [248310](#) [608404](#) [610938](#) [611162](#)
**Gene Ontology**
[Hyperlink](#)
**Gene Summary**

The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serve 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. [provided by RefSeq]

**Other Designations**

CD36 antigen|CD36 antigen (collagen type I receptor, thrombospondin receptor)|PAS-4 protein|cluster determinant 36|fatty acid translocase|glycoprotein IIb|leukocyte differentiation antigen CD36|platelet glycoprotein IV|scavenger receptor class B, member

## Pathway

- [Adipocytokine signaling pathway](#)
- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [PPAR signaling pathway](#)

## Disease

- [Anemia](#)
- [Angina Pectoris](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Macular Degeneration](#)
- [Malaria](#)

- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Osteoarthritis](#)
- [Perception](#)
- [Taste](#)