

# Human CD36/SCARB3 (His Tag) recombinant protein



Catalog Number: 500003

## General Information

### Gene Name Synonym

CD36 antigen (Collagen type I receptor, thrombospondin receptor), isoform CRA\_a; cDNA, FLJ93369, highly similar to Homo sapiens CD36 antigen (collagen type I receptor, thrombospondinreceptor) (CD36)

### Protein Construction

A DNA sequence encoding the human CD36 (NP\_001001547.1) extracellular domain (Gly 30-Asn 439) was fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human CD36 at 20 µg/ml (100 µl/well) can bind biotinylated human RSPO1 with a linear ranger of 0.032-4 µg/ml.

### Purity

> 88 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Asp 31

### Molecular Mass

The secreted recombinant human CD36 comprises 420 amino acids with a predicted molecular mass of 48 kDa. As a result of glycosylation, the apparent molecular mass of rh CD36 is approximately 70-80 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

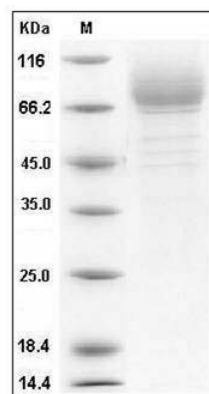
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CD36 / SCARB3 Protein (His Tag) SDS-PAGE