

# Mouse CD36/SCARB3 (His & Fc Tag) recombinant protein



Catalog Number: 502651

## General Information

### Gene Name Synonym

Glycoprotein IIb/IIIa; PAS IV; PAS-4; Platelet glycoprotein IV

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD36 (NP\_001153030.1) (Gly 30-Lys 439) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human RSP01 at 20 µg/ml (100 µl/well) can bind mouse CD36 Fc chimera with a linear range of 6.4-800 ng/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

Gly 30

## Molecular Mass

The recombinant mouse CD36/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 658 amino acids and has a calculated molecular mass of 74.5 kDa. As a result of glycosylation, the apparent molecular mass of rmCD36/Fc monomer is approximately 110-120 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

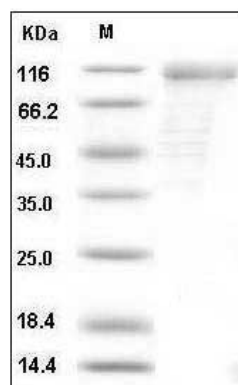
### Storage

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



Mouse CD36 / SCARB3 Protein (His & Fc Tag)  
SDS-PAGE