

# Mouse Podoplanin (His & Fc Tag) recombinant protein



Catalog Number: 503796

## General Information

### Gene Name Synonym

Aggrus; Glycoprotein 38; OTS-8; PA2.26 antigen; T1-alpha; Transmembrane glycoprotein E11

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Leu 141) of mouse PDPN (NP\_034459.2) precursor 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

Immobilized mouse PDPN-Fch at 10 µg/ml (100 µl/well) can bind biotinylated human CLEC1B-His (Cat:501731), The EC<sub>50</sub> of biotinylated human CLEC1B-His (Cat:501731) is 0.04-0.08 µg/ml.

### Purity

> 97 % 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 23

## Molecular Mass

The recombinant mouse PDPN/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 367 amino acids and has a predicted molecular mass of 40.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmPDPN/Fc monomer is approximately 60-65 kDa due to glycosylation.

## 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

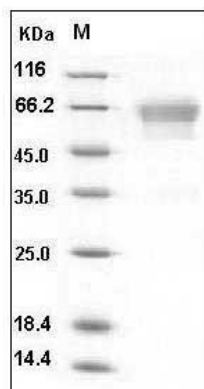
### Storage

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 Podoplanin / PDPN Protein (His & Fc Tag)  
SDS-PAGE