

## General Information

### Gene Name Synonym

Fallotein; Spinal cord-derived growth factor; VEGF-E; Platelet-derived growth factor C, latent form; Platelet-derived growth factor C, receptor-binding form

### Protein Construction

A DNA sequence encoding the receptor-binding form of mouse PDGFC (Q8CI19) (Val 235-Gly 345) was fused with the Fc region of human IgG1 at the N-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse PDGF-C (Cat:501764) at 10 µg/mL (100 µl/well) can bind human PDGFRA (Cat:503138), The EC<sub>50</sub> of human PDGFRA (Cat:503138) is 0.71 µg/mL.
3. Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED<sub>50</sub> for this effect is typically 0.5-2 µg/mL.

### Purity

> 80 % 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

Glu

### Molecular Mass

The recombinant mouse PDGFC/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 372 amino acids and has a predicted molecular mass of 40.9 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmPDGFC/Fc monomer is approximately 46 kDa.

### 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 PDGF-C (Fc Tag) recombinant protein



Catalog Number: 501764

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Mouse PDGF-C / SCDGF Protein (Fc Tag) SDS-PAGE

