

# Active Recombinant Mouse Pdgfc protein(Val235-Gly345), hFc-tagged

**Cat. No.** Pdgfc-873M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse PDGFC (Q8CI19) (Val 235-Gly 345) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Val235-Gly345
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse PDGF-C at 10 µg/mL (100 µl/well) can bind human PDGFRA, The EC50 of human PDGFRA is 0.71 µg/mL. 3. Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.5-2 µg/mL.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 80 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Pdgfc platelet-derived growth factor, C polypeptide [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Pdgfc</a>
<b>Synonyms</b>	PDGFC; platelet-derived growth factor, C polypeptide; platelet-derived growth factor C; SCDGF; VEGF-E; fallotein; spinal cord-derived growth factor; PDGF-C; A1647969; 1110064L01Rik;
<b>Gene ID</b>	<a href="#">54635</a>
<b>mRNA Refseq</b>	<a href="#">NM_019971</a>
<b>Protein Refseq</b>	<a href="#">NP_064355</a>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA