

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

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

SPECIFICATION

Product Overview	Recombinant Mouse PDGFC (Q8CI19) (Val 235-Gly 345) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Val235-Gly345
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 80 % as determined by SDS-PAGE
Storage	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.
Reconstitution	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

Gene Name	Pdgfc platelet-derived growth factor, C polypeptide [Mus musculus]
Official Symbol	Pdgfc
Synonyms	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;
Gene ID	54635
mRNA Refseq	NM_019971
Protein Refseq	NP_064355

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