Active Recombinant Human PDGFC protein(Val235-Gly345), hFc-tagged

Cat. No. PDGFC-206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFC (NP_057289.1) (Val 235-Gly 345) was expressed in HEK293 with the fused Fc region of Human IgG1 at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	Val235-Gly345
Form	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell prolifeRation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.5-3 μg/mL.
Molecular Mass	The recombinant human PDGFC/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 348 amino acids and predicts a molecular mass of 39 kDa. As a result of glycosylation, rh PDGFC/Fc monomer is approximately 45 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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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 [Homo sapiens]
Official Symbol	PDGFC
Synonyms	PDGFC; platelet derived growth factor C; platelet-derived growth factor C; fallotein; SCDGF; PDGF-C; VEGF-E; spinal cord-derived growth factor; secretory growth factor-like protein; FALLOTEIN;
Gene ID	56034
mRNA Refseq	NM_016205
Protein Refseq	NP_057289
MIM	608452
UniProt ID	Q9NRA1

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