Active Recombinant Human PDGFC, His-tagged

Cat. No. PDGFC-208H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFC (Val235-Gly345) fused with 6His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	235-345 a.a.
Description	The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines. This gene product appears to form only homodimers. It differs from the platelet-derived growth factor alpha and beta polypeptides in having an unusual N-terminal domain, the CUB domain. Alternatively spliced transcript variants have been found for this gene.
Molecular Mass	The protein(monomer) has a calculated molecular mass of 13.4 kDa
Predicted N terminal	Met
Formulation	Lyophilized from a 0.2 μm filtered solution in Acetonitrile and TFA.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Activity	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The

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	ED50 for this effect is typically 70 - 350 ng/mL.
EndotoxinLevel	< 0.10 EU per 1 μg of the protein by the LAL method.
Reconstitution	Reconstitute at 100 g/mL in sterile 4 mM HCl.
Storage	12 months from date of receipt, 20 to 70 °C as supplied. Avoid repeated freezethaw cycles.
OfficialSymbol	PDGFC

GENE INFORMATION

Gene Name	PDGFC platelet derived growth factor C [Homo sapiens]
Synonyms	platelet derived growth factor C; SCDGF; FALLOTEIN; PDGFC; spinal cord-derived growth factor; secretory growth factor-like protein; fallotein; fallotein; PDGF-C; VEGF-E; Spinal cord-derived growth factor; platelet-derived growth factor C
Gene ID	56034
mRNA Refseq	NM_016205
Protein Refseq	NP_057289
MIM	608452
UniProt ID	Q9NRA1
Chromosome Location	4q32

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Pathway	Cytokine-cytokine receptor interaction; Regulation of actin cytoskeleton; Focal adhesion; Gap junction; Melanoma; Prostate cancer; Signaling by PDGF; Signaling by VEGF
Function	platelet-derived growth factor receptor binding; protein homodimerization activity; growth factor activity; cell surface binding

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