

Active Recombinant Human PDGFC Protein

Cat. No. PDGFC-096H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human PDGF-CC monomer protein containing 111aa (Val235-Gly345) without 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.
Bio-activity	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED50 for this effect is 70-350 ng/mL.
Molecular Mass	13.4 kDa
Product-Related Proteins	235-345
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

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

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