

## Active Recombinant Human PDGFCC Protein

**Cat. No.** PDGFC-167P    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PDGFCC Protein without tag was expressed in HEK 293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Platelet-Derived Growth Factor (PDGF) is a potent mitogen for a wide range of cell types including fibroblasts, smooth muscle, connective tissue, bone and cartilage cells, and some blood cells. The PDGF is involved in a number of biological processes, including hyperplasia, chemotaxis, embryonic neuron development, and respiratory tubule epithelial cell development. The PDGF family consists of proteins derived from four genes (PDGF -A, -B, -C, and -D) that form four disulfide-linked homodimers (PDGF-AA, -BB, -CC, and -DD) and one heterodimer (PDGF-AB).
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 1 ng/mL, measured in a cell proliferation assay using 3T3 cells.
<b>Molecular Mass</b>	15~19 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	VVDLNULLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNC NECQCVPKSKVTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDVCVCRGSTGG
<b>Endotoxin</b>	< 0.2 EU/μg, determined by LAL method.

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<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Storage</b>	Lyophilized recombinant Human Platelet-derived growth factor (PDGF) -CC remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Platelet-derived growth factor (PDGF) -CC should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/mL.

## GENE INFORMATION

<b>Gene Name</b>	PDGFC platelet derived growth factor C [ Homo sapiens ]
<b>Official Symbol</b>	PDGFC
<b>Synonyms</b>	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;
<b>Gene ID</b>	56034
<b>mRNA Refseq</b>	NM_016205
<b>Protein Refseq</b>	NP_057289
<b>MIM</b>	608452
<b>UniProt ID</b>	Q9NRA1

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