

Active Recombinant Human PDGFCC Protein

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

SPECIFICATION

Product Overview	Recombinant Human PDGFCC Protein without tag was expressed in HEK 293.
Species	Human
Source	HEK293
Description	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).
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 1 ng/mL, measured in a cell proliferation assay using 3T3 cells.
Molecular Mass	15~19 kDa, observed by reducing SDS-PAGE.
AA Sequence	VVDLNNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNC NECQCVPSKVTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDVCVRGSTGG
Endotoxin	< 0.2 EU/μg, determined by LAL method.

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Purity	> 95% as analyzed by SDS-PAGE.
Storage	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.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/mL.

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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