

DATASHEET
Version 20181206**PDGF-CC, Human****Cat. No.:** Z03080-50**Size:** 50.0 ug**Synonyms:** PDGF**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).

Amino Acid Sequence:

00001 VVDLNLLEE VRLYSCTPRN FSVSIREELK RTDTIFWPGC
00041 LLVKRCGGNC ACCLHNCNEC QCVPSKVTKK YHEVLQLRPK
00081 TGVRLHKL TDVALEHHEE CDCVCRGSTG G

Source: HEK 293**Species:** Human**Biological Activity:** ED₅₀ < 1 ng/ml, measured in a cell proliferation assay using 3T3 cells.**Molecular Weight:** 15 19 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH₂O or PBS at 100 µg/ml.**Purity:** > 95% as analyzed by SDS-PAGE.**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.**Storage:** Lyophilized recombinant Human Platelet-derived growth factor (PDGF)-CC remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Platelet-derived growth factor (PDGF) -CC should be stable up to 1 week at 4°C or up to 2 months at -20°C.