DATASHEET
Version 20181206

PDGF-CC, Human

Cat. No.: Z03080-10

Size: 10.0 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:

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00001 VVDLNLLTEE VRLYSCTPRN FSVSIREELK RTDTIFWPGC
00041 LLVKRCGGNC ACCLHNCNEC QCVPSKVTKK YHEVLQLRPK
00081 TGVRGLHKSL TDVALEHHEE CDCVCRGSTG G
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Source: *HEK 293*

Species: Human

Biological Activity: ED_{50} < 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 ddH_2O 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.

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