

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant PDGF-CC, Human

Catalog Number: BK0327-50µg

Source: HEK 293

Quantity: 50µg

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).

Molecular Weight:

15~19 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 1 ng/ml, measured in a cell proliferation assay using 3T3 cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

VVDLNLLEEVRLYSCTPRN-
FSVSIREELKRTDTIFWPGCLLVKRCGGNCAC-
CLHNCNECQCVP SKVTK-
KYHEVLQLRPKTGVRGLHKSLTDVALEH-
HEECDVCVRGSGTGG

Endotoxin:

< 0.2 EU/µg, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 µg/ml.

Storage:

Lyophilized recombinant Human Platelet-derived growth factor (PDGF) -CC remains stable up to 6 months at -80 °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.

Usage:

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