

Overview

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).
Accession No	NP_057289
Species	Human
Source	HEK 293
Biological Activity	ED ₅₀ < 1 ng/ml, measured in a cell proliferation assay using 3T3 cells.
Sequence	VVDLNLLET VRLYSCTPRN FSVSIREELK RTDTIFWPGC LLVKRCGGNC ACCLHNCNEC QCVPSKVTKK YHEVLQLRPK TGVVRLHKSL TDVALEHHEE CDCVCRGSTG G

Properties

Measured Molecular Weight	15~19 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
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.
Note	For research use only

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