

Active Recombinant Human PDGFBB Protein (218 aa)

Cat. No. PDGFB-153P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFBB Protein (218 aa) without tag was expressed in <i>P. pastoris</i> .
Species	Human
Source	<i>P.pastoris</i>
ProteinLength	218
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. PDGF which is composed of a dimer of two chains termed the A chain and B chain, can be present as AA or BB homodimers or as an AB heterodimer.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 3 ng/mL, measured by the dose-dependent stimulation of the proliferation of Balb/c 3T3 cells, corresponding to a specific activity of > 3.35 units/mg.
Molecular Mass	24.3kDa, observed by non-reducing SDS-PAGE.
AA Sequence	SLGSLTIAEPAMIAECKTRTEVFEISRRLIDRTNANFLVWPPCVEVQRCSGCCNNRN

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VQCRPTQVQLRPVQVRKIEIVRKKPIFKKATVTLEDHLACKCETVAAARPVT

Endotoxin < 1 EU/μg, determined by LAL method.

Purity > 97% by SDS-PAGE and HPLC analyses.

Storage Lyophilized recombinant human Platelet-Derived Growth Factor-BB (rhPDGF-BB) remains stable up to 12 months at -80 centigrade from date of receipt. Upon reconstitution, rhPDGF-BB should be stable up to 4 weeks at 4 centigrade or up to 6 months at -20 centigrade.

Storage Buffer Lyophilized after extensive dialysis against 10mM acetic acid.

Reconstitution Reconstituted in ddH₂O at 100 μg/mL.

GENE INFORMATION

Gene Name PDGFB platelet-derived growth factor beta polypeptide [Homo sapiens]

Official Symbol PDGFB

Synonyms PDGFB; platelet-derived growth factor beta polypeptide; platelet derived growth factor beta polypeptide (simian sarcoma viral (v sis) oncogene homolog), SIS; platelet-derived growth factor subunit B; becaptermin; oncogene SIS; SSV; PDGF-2; PDGF, B chain; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor 2; platelet-derived growth factor B chain; platelet-derived growth factor, B chain; Platelet-derived growth factor, beta polypeptide (oncogene SIS); platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog); SIS; PDGF2; c-sis; FLJ12858;

Gene ID 5155

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mRNA Refseq	NM_002608
Protein Refseq	NP_002599
MIM	190040
UniProt ID	P01127

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