

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 P. pastoris.
Species	Human
Source	P.pastoris
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 ddH ₂ O 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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