

Recombinant Human Platelet-Derived Growth Factor-BB

Cat. No. PDGFB-471H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Platelet-Derived Growth Factor-BB produced in Pichia Pastorih has a molecular mass of 28KD.
Species	Human
Source	Yeast
Description	Platelet-Derived Growth Factor (PDGF) is a potent mitogen for a wide range of cell types including fibroblasts, smooth muscle and connective tissue. 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.
M. W.	28KDa
Purity	≥90% as determined by SDS-PAGE.
Physical Appearance	Liquid
Concentration	1.2 mg/ml
Storage Buffer	0.11Mol/L Citric Acid / Sodium Citrate Buffer solution, PH 6.5, 0.5M NaCl.
Storage	At 4°C for 6 months and -80°C for 2 years

GENE INFORMATION

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Gene Name	PDGFB
Synonyms	FLJ12858; PDGF2; SIS; SSV; c-sis; Becaplermin; PDGF-2; SIS; SSV; becaplermin; c-sis; HUMANES PDGF-B GEN AUS PGEM2-PDGF-B, FLANKIERT VON 5"-ECORI UND3"-HINDIII RESTRIKTIONSSCHNITTSTELLEN;PDGFB_HUMAN;PDGF B-chain; PDGF, B chain; PDGF-B VORLAEUFERSEQUENZ; Platelet-derived growth factor B chain precursor; Platelet-derived growth factor beta polypeptide; Platelet-derived growth factor, beta polypeptide (oncogene SIS); oncogene SIS ; platelet-derived growth factor 2; platelet-derived growth factor beta; platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog); platelet-derived growth factor, B chain; v-sis platelet-derived growth factor beta polypeptide (simian sarcomaviral oncogene homolog); PDGFB
Gene ID	5155
mRNA Refseq	NM_002608
Protein Refseq	NP_002599
MIM	190040
UniProt ID	P01127
Chromosome Location	22q12.3-q13.1; 22q13.1
Pathway	Cytokine-cytokine receptor interaction, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma.
Function	cell surface binding, growth factor activity, platelet-derived growth factor binding,

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platelet-derived growth factor receptor binding, protein binding, protein heterodimerization activity, protein homodimerization activity.

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