

Recombinant Human Platelet-Derived Growth Factor-BB

Cat. No. PDGFB-20H Lot. No. (See product label)

SPECIFICATION

Product Overview	Platelet-Derived Growth Factor-BB produced in <i>E. coli</i> has a molecular mass of 27KD.
Species	Human
Source	E.coli
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. Recombinant human PDGF-BB is a 24.3 kDa disulfide-linked homodimer of two B chains (218 total amino acids). Human recombinant platelet-derived growth factor is expressed in <i>E. coli</i> .
Purity	≥95% as determined by SDS-PAGE.
PI	9.39 by Isoelectric focusing
concentration	1 mg/ml by BCA
Component	Platelet-Derived Growth Factor-BB, PBS buffer, pH 7.4
Endotoxin	less than 10EU/mg as determined by LAL method
Storage Buffer	Liquid. In PBS Buffer.

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Storagee At 4°C for 6 months and -80°C for 2 years

GENE INFORMATION

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 UND 3"-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

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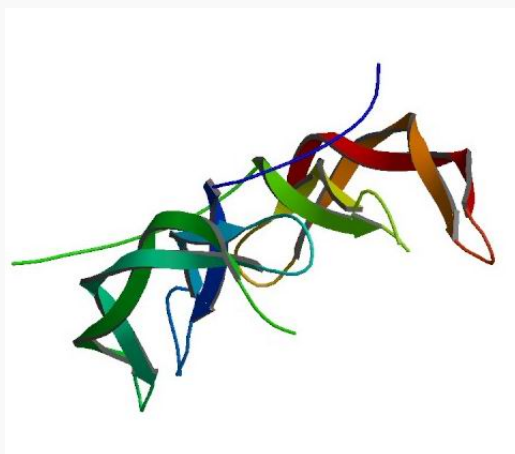
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signaling pathway, Melanoma, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma.

Function

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

PDBrendering based
on 1pdg. Available
structures: 1pdg



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