

Platelet Derived Growth Factor-BB Active Protein | PDGF BB active protein

Recombinant Human Platelet Derived Growth Factor-BB

CATALOG #
AAA38232

HOST
E Coli

PRODUCT SYNONYMS

Platelet Derived Growth Factor-BB; Recombinant Human Platelet Derived Growth Factor-BB; PDGF BB Human; Platelet-Derived Growth Factor BB Human Recombinant; Glioma-derived growth factor; GDGF; Osteosarcoma-derived Growth Factor; ODFG; SIS; SSV; PDGF2; c-sis; FLJ12858; PDGF-BB; PDGF B-chain; Platelet-derived growth factor beta polypeptide; Becaplermin; PDGF BB active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	SLGSLTIAEP AMIAECKTRT EVFEISRRLI DRTNANFLVW PPCVEVQRCS GCCNNRNVQC RPTQVQLRPV QVRKIEIVRK KPIFKKATVT LEDHLACKCE TVAAARPVT
Sequence Length	241
Solubility	It is recommended to reconstitute the lyophilized Platelet-derived Growth Factor-BB in sterile 18M ² -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by the dose-dependent stimulation of the proliferation of Balb/c 3T3 cells. The expected ED50 for this effect is 1.0-3.0 ng/ml.
Preparation and Storage	Lyophilized Platelet-derived Growth Factor BB although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution PDGF BB should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PDGF BB active protein	Description: Platelet-Derived Growth Factor BB Human Recombinant is a homodimeric, non-glycosylated, polypeptide chain containing 2x109 amino acids (218 amino acids in total) and having a molecular mass of 24.3 kDa. PDGF-BB is purified by proprietary chromatographic techniques. Introduction: PDGF-BB is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7, at sites where this gene and that for COL1A1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two splice variants have been identified for this gene.
Product Categories/Family for PDGF BB active protein	Cytokines and Growth Factors; Growth Factors; PDGF

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505681
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NCBI GeneID	5155
NCBI Accession #	NP_002599.1
NCBI GenBank Nucleotide #	NM_002608.2
UniProt Accession #	P01127; P78431; Q15354; Q6FHE7; Q9UF23; G3XAG8
Molecular Weight	25,502 Da
NCBI Official Full Name	platelet-derived growth factor subunit B isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet-derived growth factor beta polypeptide
NCBI Official Symbol	PDGFB
NCBI Official Synonym Symbols	SIS; SSV; IBGC5; PDGF2; c-sis; PDGF-2
NCBI Protein Information	platelet-derived growth factor subunit B; PDGF subunit B; PDGF, B chain; becaplermin; platelet-derived growth factor 2; platelet-derived growth factor B chain; platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog); platelet-derived growth factor, beta polypeptide (oncogene SIS); proto-oncogene c-Sis
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Gene Name	PDGFB
UniProt Synonym Gene Names	PDGF2; SIS; PDGF subunit B
UniProt Entry Name	PDGFB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-pdgf-bb-active-protein/platelet-derived-growth-factor-bb/38232>