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32-1661: PDGF BB Yeast Recombinant Protein

Alternative Name :	Glioma-derived growth factor,GDGF,Osteosarcoma-derived Growth Factor,ODGF,SIS,SSV,PDGF2,c-sis,FLJ12858,PDGF-BB,PDGF B-chain,Platelet-derived growth factor beta polypeptide,Becaplermin.

Description

Source : Saccharomyces cerevisiae. Platelet-Derived Growth Factor BB Human Recombinant is a glycosylated homodimer produced in Saccharomyces cerevisiae, containing 2x109 amino acids and having a molecular mass of 32kDa. PDGF-BB is purified by proprietary chromatographic techniques. 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 Info

Amount :	10 µg
Purification :	Greater than 98.0% as determined by SDS-PAGE.
Content :	The PDGF-BB was lyophilized from 0.2µm filtered solution in 20mM sodium phosphate in absence of any carrier protein.
Storage condition :	Lyophilized Platelet-derived Growth Factor BB although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PDGF BB should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Leu-Gly-Ser-Leu.

Application Note

It is recommended to reconstitute the lyophilized Platelet-derived Growth Factor-BB in sterile 18M-cm H2O not less than 100Ã‚Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50, as measured by its ability to stimulate proliferation of mouse 3T3 fibroblasts is typically 1 ng/ml, corresponding to a Specific Activity of 1,000,000IU/mg.