

Human PDGF BB Recombinant Protein



RPPB0839

Product Information Protein Information

Product SKU:

RPPB0839

Accession:

P01127

Host:

Saccharomyces cerevisiae.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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.

Formulation:

The PDGF-BB was lyophilized from 0.2 µm filtered solution in 20mM sodium phosphate in absence of any carrier protein.

Purity:

Greater than 98.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Platelet-derived Growth Factor-BB in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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 Sequence:

The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Leu-Gly-Ser-Leu.

Biological Activity:

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.