

Human PDGF BB Recombinant Protein



RPPB0837

Product Information Protein Information

Product SKU:

RPPB0837

Accession:

P01127

Host:

Escherichia Coli.

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.

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.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Platelet-derived Growth Factor-BB in sterile 18MΩ-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:

SLGSLTIAEP AMIAECKTRT EVFEISRRLL DRTNANFLVW PPCVEVQRCS GCCNNRNVQC RPTQVQLRPV
QVRKIEIVRK KPIFKKATVT LEDHLACKCE TVAAARPVT.

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.