

Rat PDGF BB Recombinant Protein



RPPB0841

Product Information Protein Information

Product SKU:

RPPB0841

Accession:

Q05028

Host:

Escherichia Coli.

Protein description:

PDGF-BB Rat Recombinant produced in E.coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide of two B chains containing 2x109 amino acids (218 amino acids in total) and having a molecular mass of 24.4 kDa. The PDGF-BB is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Platelet-derived growth factor subunit B, PDGF subunit B, PDGF-2, Platelet-derived growth factor B chain, Platelet-derived growth factor beta polypeptide, Pdgfb, SIS, c-sis.

Formulation:

PDGF-BB was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.0.

Purity:

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized PDGF-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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

SLGSLAAAEV AVIAECKTRT EVFQISRNLI DRTNANFLVW PPCVEVQRCS GCCNNRNVQC RASQVQMRPV
QVRKIEIVRK KPVFKKATVT LEDHLACKCE TVVTPRPVT.

Biological Activity:

The ED50s determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 2.0 ng/ml, corresponding to a specific activity of $> 5.0 \times 10^5$ IU/mg.