

Mouse PDGF BB Recombinant Protein



RPPB0840

Product Information Protein Information

Product SKU:

RPPB0840

Accession:

P31240

Host:

Escherichia Coli.

Protein description:

Platelet-Derived Growth Factor BB Mouse Recombinant produced in E.coli, is a homodimeric, non-glycosylated, polypeptide chain containing 2x110 (total of 2 chains 220aa) amino acids and having a total molecular weight of 24.7 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, Becaplermin.

Formulation:

The protein was lyophilized from 10mM NaCitrate pH-3.0.

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 100mM acetic acid and 0.1% BSA 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:

MSLGLSAAAE PAVIAECKTR TEVFQISRNL IDRTNANFLV WPPCDEVQRC SGCCNNRNVQ CRASQVQMRP
VQVRKIEIVR KKPIFKKATV TLEDHLACKC ETIVTPRPVT

Biological Activity:

The biological activity is determined by the dose-dependant stimulation of the proliferation of human umbelical vein endothelial cells (HUVEC) using a concentration range of less than 1.6ng/ml.