

Platelet Derived Growth Factor-BB Human Recombinant, Yeast

Item Number	rAP-2412
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, Bcaplermin.
Description	Platelet-Derived Growth Factor BB Human Recombinant is a glycosylated homodimer produced in <i>Saccharomyces cerevisiae</i> , containing 2x109 amino acids and having a molecular mass of 32kDa. PDGF-BB is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P01127
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.
Source	<i>Saccharomyces cerevisiae</i> .
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The PDGF-BB was lyophilized from 0.2 µm filtered solution in 20mM sodium phosphate in absence of any carrier protein. Greater than 98.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Platelet-derived Growth Factor-BB in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ , 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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**