

## Platelet-Derived Growth Factor BB Mouse Recombinant

<b>Item Number</b>	rAP-2415
<b>Synonyms</b>	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.
<b>Description</b>	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.
<b>Uniprot Accesion Number</b>	P31240
<b>Amino Acid Sequence</b>	MSLGSLAAAE PAVIAECKTR TEVFAQISRNL IDRTNANFLV WPPCVEVQRC SGCCNRRNVQ CRASQVQMRP VQVRKIEIVR KKPIFKKATV TLEDHLACKC ETIVTPRPVT
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	The protein was lyophilized from 10mM NaCitrate pH-3.0. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	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.
<b>Biological Activity</b>	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.
<b>Shipping Format and Condition</b>	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 ender users! This product is sold for **Research Use Only**