Recombinant Human Platelet-Derived Growth Factor BB is produced by our E.coli expression system and the target gene encoding Ser82-Thr190 is expressed.

**DESCRIPTION**

Accession #: P01127
Known as: Platelet-Derived Growth Factor Subunit B; PDGF Subunit B; PDGF-2; Platelet-Derived Growth Factor B Chain; Platelet-Derived Growth Factor Beta Polypeptide; Proto-Oncogene c-Sis; Becaplermin; PDGFB; PDGF2; SIS

**FORMULATION**
Lyophilized from a 0.2 μm filtered solution of 4mM HCl.

**SHIPPING**
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

**STORAGE**
Lyophilized protein should be stored at < -20° C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7° C for 2-7 days. Aliquots of reconstituted samples are stable at < -20° C for 3 months.

**RECONSTITUTION**
Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**QUALITY CONTROL**
Bioactivity* Measured by its ability to binding PDGFR2B used functional ELISA.
The ED50 for this binding effect is 5.04ug/ml when PDGFB 1ug/ml in a solid phases.
Purity: Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin: Less than 0.1 ng/μg (1 IEU/μg).

**AMINO ACID SEQUENCE**
MSLGSLTIAEKPAMIAECKTRTEVFESRRLDROTANFLWPPCVEVQRCSGCNRCNVQRCPTRQVQLRVPVQRKIEIVRKPIFKKATVTLEDHLACKCETVAARPTV

**BACKGROUND**
Platelet-Derived Growth Factor Subunit B (PDGFB) belongs to the PDGF/VEGF growth factor family. Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. PDGFB can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with menigioma. Binding of PDGFB to its receptor elicits a variety of cellular responses. In addition, PDGFB is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound.