

Recombinant Human PDGF-BB

Catalog No: C199

Description	Recombinant Human Platelet-Derived Growth Factor BB is produced by our E.coli expression system and the target gene encoding Ser82-Thr190 is expressed.
Source	E.coli
Alternative name	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
Accession No.	P01127
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM NaAc-HAc, pH 4.5.
Quality Control	<p>Bioactivity: Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 15-60ng/ml.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg).</p>
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.
Amino Acid Sequence	MSLGSLTIAEPAMIAECKTRTEVFEISRRLIDRTNANFLVWPPCVEVQRCSGCCNNRNVQCRPTQVQ LRPVQVRKIEIVRKKPIF KKATVTLEDHLACKETVAAARPVT
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 meningioma. 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.

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