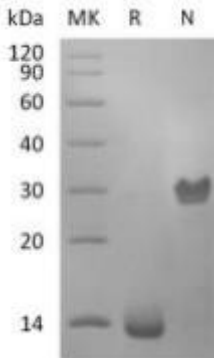


Recombinant Human PDGF-BB

Catalog#:P00031 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human Platelet-Derived Growth Factor BB is produced by our <i>E.coli</i> expression system and the target gene encoding Ser82-Thr190 is expressed.</p> <p>Accession#: P01127</p> <p>Known as: PDGFBB; PDGF-BB</p>
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of 20mM NaAc-HAc, pH 4.5.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100μg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Bioactivity: Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 5-20 ng/ml</p> <p>Mol Mass: 12.42kDa AP Mol Mass: 14kDa, reducing conditions.</p> <p>Purity: Greater than 98% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.02 ng/μg (0.2 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>Platelet-Derived Growth Factor Subunit B (PDGFβ) belongs to the PDGF/VEGF growth factor family. Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. PDGFβ 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 PDGFβ to its receptor elicits a variety of cellular responses. In addition, PDGFβ is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound.</p>
 <p>SDS-PAGE</p>	