ELK Biotechnology

Recombinant Human PDGF-BB

Catalog #	EPT197
Expression Host	E.coli
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.
Accession	P01127
Synonyms	PDGFBB; PDGF-BB
Mol Mass	12.42 KDa
AP Mol Mass	14 KDa, reducing conditions
Purity	Greater than 98% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.02 ng/μg (0.2 EU/μg) as determined by LAL test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 20mM NaAc-HAc, pH 4.5.
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.

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.

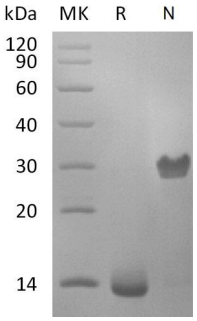
Aliquots of reconstituted samples are stable at < -20° C for 3 months.

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.

SDS-PAGE



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