

PDGF-BB/PDGF2 (C-6His), Mouse, Recombinant

Cat. No. : PCK068

General Information

Synonyms	PDGFBB;PDGF-BB
Species	Mouse
Expression host	E.coli
Sequence	Ser82-Thr190
Accession	AAH53430.1
Mol mass	13.4 kDa
Expiration date	12 months
Bio activity	Measured in a cell proliferation assay using Balb/c3T3 mouse fibroblast cells. The ED50 [®] for this effect is 38.7 ng/mL.

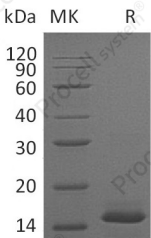
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 4 mM HCl.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in 10 mM HCl. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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. As Growth Factor, it plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. It is required for normal proliferation and recruitment of pericytes and vascular smooth muscle cells in the central nervous system, skin, lung, heart and placenta. PDGFB also plays an important role in wound healing.

SDS-PAGE



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