

PDGF-BB
Catalog # PVGS1685**Specification**

PDGF-BB - Product InformationPrimary Accession [B1H0W5](#)**Species**
Bovine**Sequence**
Ser82-Thr190**Purity**
≥ 95% as analyzed by SDS-PAGE**Endotoxin Level**
< 0.1 EU/ µg of protein by gel clotting method**Biological Activity**
ED₅₀ < 20.00 ng/ml as determined by a dose-response proliferation assay using murine Balb/c 3T3 cells. Based on the ED₅₀, the calculated specific activity is approximately $> 0.5 \times 10^5$ IU/mg. It is recommended to experimentally determine the optimal concentration for each specific application by performing a dose response assay.**Expression System**
P. pastoris**Theoretical Molecular Weight**
12 kDaFormulation **Lyophilized from a 0.2 µm filtered solution in 20 mM NaAc, pH 5.0.****Reconstitution**
Before opening, centrifuge the vial briefly to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH₂O up to 100 µg/ml.**Storage & Stability**
Upon receiving, the lyophilized product remains stable for up to 6 months at lower than -70 °C. Upon reconstitution, the product is stable for up to 1 week at 4 °C or up to 3 months at -20 °C. Avoid repeated freeze-thaw cycles by making single-use aliquots before the solution is storage at -20 °C.**PDGF-BB - Additional Information****Target Background**

Platelet-derived growth factor (PDGF) presenting in serum but absent from plasma was first discovered in an animal study by Lynch and co-workers in the late 1980s. It is a disulfide-linked dimer consisting of two peptides-chain A and chain B. PDGF has three subforms: PDGF-AA, PDGF-BB, and PDGF-AB. It is involved in many biological processes, including hyperplasia,

embryonic neuron development, chemotaxis, and respiratory tubule epithelial cell development. The function of PDGF is mediated by two receptors (PDGFR- α and PDGFR- β).

PDGF-BB - Protein Information

PDGF-BB - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDGF-BB - Images