

**PDGF-BB**  
**Catalog # PVGS1700****Specification**

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**PDGF-BB - Product Information**

Primary Accession [A0A287ADF0](#)  
**Species**  
Porcine

**Sequence**  
Arg81-Ala185

**Purity**  
≥ 95% as analyzed by SDS-PAGE

**Endotoxin Level**  
< 0.2 EU/ µg of protein by gel clotting method

**Biological Activity**  
ED<sub>50</sub> < 20.0 ng/ml, measured by a cell proliferation assay using BALB/3T3 cells, corresponding to a specific activity of > 5.0 × 10<sup>4</sup> units/mg.

**Expression System**  
<i>P. pastoris</i>

**Theoretical Molecular Weight**  
11.9 kDa

Formulation **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 ddH<sub>2</sub>O up to 100 µg/ml

**Storage & Stability**  
Upon receiving, this product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable up to 1 week at 4 °C or up to 3 months at -20 °C or below. Avoid repeated freeze-thaw cycles.

**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**