10320 Camino Santa Fe, Suite G
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PDGF-BB

Catalog # PVGS1700

Specification

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
ED₅₀ < 20.0 ng/ml, measured by a cell proliferation assay using BALB/3T3 cells, corresponding to a specific activity of > 5.0 × 10⁴ units/mg.

Expression System
P. pastoris

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 ddH₂O 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).

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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 Cytomety
- Cell Culture

PDGF-BB - Images