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PDGF-BB

Catalog # PVGS1685

Product Information

Primary Accession	B1H0W5
Species	Bovine
Sequence	Ser82-Thr190
Purity	≥ 95% as analyzed by SDS-PAGE
Endotoxin Level	
Biological Activity	$ED_{50\ 50}$, the calculated specific activity is approximately > 0.5×10^5 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 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_2O 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.

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).

Protein Information

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.