

Rev08
 Update: Aug,11,2025

DATASHEET

PDGF-BB, His, Mouse

Cat. No.: Z03572

Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> PDGF-BB (Ser82-Thr190) Accession # P31240 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> Poly-His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/μg of protein by LAL method
Biological Activity	Measured in a cell proliferation assay using BALB/3T3 mouse fibroblast cells.
Expression System	E. coli
Apparent Molecular Weight	~15 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution in 4 mM HCl.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in 4 mM HCl up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for 1 week at 4-7°C and for 3 months at -20 °C or below. Avoid repeated freeze-thaw cycles.

Background

Target 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.

Synonyms : PDGFBB; Platelet-Derived Growth Factor Subunit B

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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