


## Human PDGF-BB Protein

Cat #: PRP1083

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Human PDGF-BB Protein		
<b>REF</b>	<b>Catalog Number:</b> PRP1083	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Platelet derived growth factor (PDGF) is a potent mitogen and chemoattractant for mesenchymal and osteogenic cells and stimulates angiogenic molecules which play an essential role in bone regeneration. PDGF-BB is a member of PDGF family, which promotes cell proliferation, survival and migration, through binding to the tyrosine kinase PDGF receptor. PDGF-BB exerts beneficial effects on haemorrhagic shock, which are closely related to targeting CX43 to improve vascular reactivity and haemodynamics. PDGF-BB functions in corporal cavernosum smooth muscle cells (CCSMCs) via binding to PDGFR.

**Sequence:** Amino acid sequence derived from Human PDGF-BB (Ser82-Thr190) (P01127) was expressed.

**Protein length:** The recombinant Human PDGF-BB Protein consists of 109 amino acids and predicts a molecular mass of 12.3 kDa.

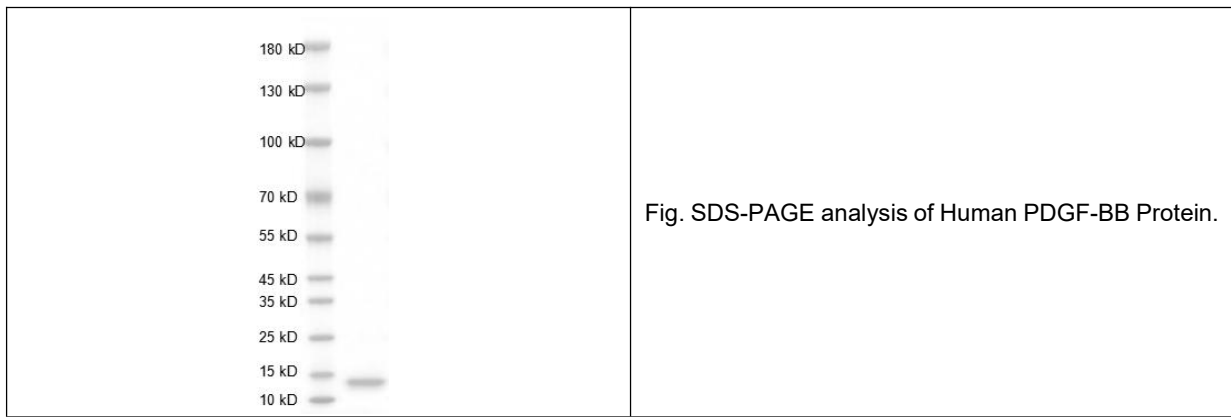
**Biological Activity:** Testing in Progress.

**Endotoxin:** <1 EU per µg of the protein by the LAL method.

**Formulation:** Lyophilized from sterile PBS, pH7.4.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



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