

Recombinant Human PDGF-BB

CATALOG #:	4488-10	10 µg
	4488-50	50 µg
	4488-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg.	
MOL. WEIGHT:	24.3 kDa	
FORM:	Lyophilized with no additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use.

STORAGE CONDITIONS:

The lyophilized protein is best-stored desiccated below 0°C. Reconstituted human PDGF-BB should be stored in working aliquots at -20°C.

DESCRIPTION:

Platelet Derived Growth Factor (PDGF) is a potent mitogen for a wide range of cell types including fibroblasts, smooth muscle and connective tissue. PDGF, which is composed of a dimer of two chains termed the A chain and B chain, can be present as AA or BB homodimers or as an AB heterodimer. Human PDGF-BB is a 24.3 kDa B chain homodimer protein formed by subunits of 109 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BALB/c 3T3 cells is ≤ 1 ng/ml, corresponding to a specific activity of ≥ 1 x 10⁶ units/mg.

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- Mitochondrial Apoptosis Kits & Reagents
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- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Membrane Protein Extraction Kit
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- Mammalian Cell Extraction Kit
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