

PDGF-BB, HUMAN RECOMBINANT PROTEIN

CATALOG NUMBER:	GF149	QUANTITY:	10 µg
LOT NUMBER:		CONCENTRATION:	
ALTERNATE NAMES:	PDGF-BB		
BACKGROUND:	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. Recombinant human PDGF-BB is a 24.3 kDa disulfide-linked homodimer of two B chains (218 total amino acids).		
APPLICATIONS:	For most in vitro applications, PDGF-BB exerts its biological activity in the concentration range of 0.2 to 10.0 ng/mL. Responding cells are (partial list): Fibroblasts, connective tissue.		
SOURCE:	<i>E.coli</i>		
PURITY:	Greater than 90% by SDS-PAGE. Endotoxin level is less than 0.1 ng per µg (1EU/ug) of EGF.		
ACTIVITY:	Human PDGF-BB is fully biologically active when compared to standards. The ED50 as determined by its dose-dependent mitogenic activity on BALB/c 3T3 cells is between 6-12 ng/mL.		
PRESENTATION:	The sterile filtered solution was lyophilized from 10 mM Acetic Acid.		
STORAGE/HANDLING:	The lyophilized PDGF-BB is stable for a few weeks at room temperature, but best stored at -20°C. After a quick spin, reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into aqueous buffered solutions and stored at 2-8°C for one week or -20°C for future use. Reconstituted PDGF-BB should be stored in undiluted aliquots at -20°C for up to six months.		

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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