

PDGFB

Recombinant Human Platelet Derived Growth Factor-B

Catalog No.	CRP137A CRP137B CRP137C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Glioma-derived growth factor, GDGF, Osteosarcoma-derived Growth Factor, ODGF, SIS, SSV, PDGF2, c-sis, FLJ12858, PDGF-BB, PDGF B-chain, Platelet-derived growth factor beta polypeptide, Becaplermin.		
Description:	<p>The term 'PDGF' refers to a family of disulphide bond-linked dimeric isoforms that act as autocrine and paracrine growth factors and are produced by a variety of cell types other than platelets.</p> <p>They act as potent mitogens for almost all mesenchymally-derived cells. Aberrant expression is involved in certain cancers, fibroproliferative disorders and atherosclerosis. The protein also contributes to wound healing and neural regeneration. There are four members of the PDGF family – PDGF A, PDGF B, PDGF C and PDGF D. Two distinct types of PDGF-A exist – a short form that is soluble and a long form that is retained by the extracellular matrix.</p> <p>PDGF-B Human Recombinant mature chain produced in E.Coli is a non-glycosylated, polypeptide chain containing 109 amino acids fragment (82-190) and having a molecular mass of 16.75 kDa. The PDGF-B is fused with an amino-terminal hexahistidine tag and purified by proprietary chromatographic techniques.</p>		
Physical Appearance:	Sterile Filtered clear solution.		
GeneID:	5155		
Source:	<i>E. coli</i>		
Molecular Mass:	16.75 kDa		
Formulation:	Platelet-Derived Growth Factor-B (0.125mg/ml) is supplied in 25mM Na-Acetate pH 4.8 + 1mM EDTA and 50% glycerol.		
Purity:	Greater than 95.0% as determined by SDS-PAGE.		
Purification:	The PDGF-B is fused with an amino-terminal hexahistidine tag and purified by proprietary chromatographic techniques.		
Storage & Stability:	<p>Store at 4°C if entire vial will be used within 2-4 weeks.</p> <p>Store, frozen at -20°C for longer periods of time.</p> <p>Please avoid freeze thaw cycles.</p>		

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