

PDGF-BB, Human Recombinant

Catalog No.	CRP157A CRP157B CRP157C	Quantity:	2 µg 10 µg 1 mg
Name:	Platelet derived Growth Factor-BB		
Description:	Recombinant human PDGF-BB is a homodimeric, non-glycosylated polypeptide chain containing 109 amino acids and having a total MW = 23.4 kDa.		
Source:	<i>Saccharomyces cerevisiae</i>		
Formulation:	Sterile filtered and then lyophilized after extensive dialysis against 20 mM sodium acetate buffer, pH 7.4 ± 0.1.		
Purity:	Greater than 97.0% as determined by analysis by RP-HPLC, anion-exchange FPLC, and analysis by reducing and non-reducing SDS-PAGE Silver Stained.		
Endotoxin Level:	Less than 0.1 ng/µg (1 EU/µg) of recombinant human IFN-gamma		
Biological Activity:	The ED ₅₀ calculated by the dose-dependant proliferation of mouse BALB/c 3T3 indicator cells (measured by ³ H-thymidine uptake) is < 1 ng/ml, corresponding to a specific activity of 1 MIU/mg.		
Amino Acid Sequence:	The sequence of the first five N-terminal amino acids is Ser-Leu-Gly-Ser-Leu.		
Reconstitution:	Centrifuge vial prior to opening. First add sterile water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	Lyophilized samples are stable at room temperature for 2 weeks, but it is recommended to store them desiccated at -20°C to -80°C. Upon reconstitution, protein should be stored at 2-4°C for one week and for six months at -20°C to -80°C. Add a carrier protein (0.1% HSA or BSA) as a stabilizer for long term storage. Avoid repeated freeze-thaw cycles.		
Protein Content:	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 0.55 as the extinction coefficient for a 0.1% (1 mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics) 2. Analysis by RP-HPLC, using a standard solution of PDGF-BB as reference standard.		

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