

PDGF-AB, Human Recombinant

Catalog No.	CRP301A CRP301B CRP301C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Glioma-derived growth factor, GDGF, Osteosarcoma-derived Growth Factor, ODGF		
Description:	Recombinant Human PDGF-AB is a heterodimeric, non-glycosylated, polypeptide chain containing 234 amino acids consisting of 13.3 kDa alpha-chain and 12.2 beta-chain having a total MW = 25.5 kDa.		
Source:	<i>E. coli</i>		
Formulation:	Sterile filtered, then lyophilized with no additives.		
Purity:	Greater than 97.0% as determined by analysis by RP-HPLC and SDS-PAGE.		
Endotoxin Level:	Less than 0.1 ng/µg (1 EU/µg) of recombinant human PDGF-AB		
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 1.0 x 10 ⁶ IU/mg.		
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Amino Acid Sequence:	The sequence of the first five N-terminal amino acids is Met-Ser-Ile-Glu-Glu-alpha chain and Met-Ser-Leu-Gly-Ser-beta chain.		
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 -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. For long term storage is it recommended to add a carrier protein (0.1% HSA or BSA). Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

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