



Recombinant Human PDGF-AB

Datasheet

Catalog Number: PR27062

Product Type: Recombinant Protein

Source: *E.coli*

Description/Molecular Mass: Platelet-derived Growth Factor AB Human Recombinant is a heterodimeric, non-glycosylated, polypeptide chain containing 234 amino acids consisting of 13.3kDa alpha-chain and 12.2 beta-chain having a total molecular mass of 25.5kDa. PDGF-AB is purified by proprietary chromatographic techniques.

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ser-Ile-Glu-Glu-alpha chain and Met-Ser-Leu-Gly-Ser-beta chain.

Biological Activity: The ED50, calculated by the dose-dependant proliferation of murine BALB/c 3T3 indicator cells (measured by ³H-thymidine uptake) is < 1 ng/ml, corresponding to a Specific Activity of 1 MIU/mg.

Purity: Greater than 97.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Format: Lyophilized with no additives.

Reconstitution: It is recommended to reconstitute the lyophilized Platelet-derived Growth Factor-AB in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage: Lyophilized Platelet-derived Growth Factor AB although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PDGF-AB should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please prevent freeze-thaw cycles.

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