



Recombinant Human FGF-1, Acidic

Datasheet

Catalog Number: PR27011

Product Type: Recombinant Protein

Source: E.Coli

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Met-Phe-Asn-Leu-Pro.

Description/Molecular Mass: Fibroblast Growth Factor-acidic Human Recombinant (FGF-1) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 140 amino acids and having a molecular mass of 15803 Dalton. The FGF acidic is purified by proprietary chromatographic techniques.

Purity: Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Biological Activity: The ED₅₀ calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by ³H-thymidine uptake) is less than 10 ng/ml, corresponding to a specific activity of 10⁵ Units/mg.

Format: The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing 10mM Tris pH=7.6 and 100mM NaCl

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

Storage: Lyophilized Fibroblast Growth Factor-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-acidic 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 avoid freeze-thaw cycles.

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