



Recombinant Human FGF-1, Acidic, Sf9 Datasheet

Catalog Number: PR27012

Product Type: Recombinant Protein

Source: Baculovirus

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-1 Human Recombinant (FGF-1) produced in Sf9 insect cells is a single, glycosylated, polypeptide chain containing 140 amino acids and having a molecular mass of 15803 Dalton. The FGF-a 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 sterile protein solution (1.8mg/ml) contains 20mM Tris HCl pH=7.9, 100mM KCl, 0.2mM DTT and 20% glycerol.

Storage: Fibroblast Growth Factor-acidic although stable at 4^oC for 3 weeks, should be stored desiccated below -18^oC. 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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