

Human FGF 1 Recombinant Protein



RPPB0200

Product Information Protein Information

Product SKU:

RPPB0200

Accession:

P05230

Host:

Baculovirus.

Protein description:

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.

Appearance:

Sterile Filtered liquid formulation.

Synonyms:

HbGF-1, ECGF-beta, FIBP, FGFIBP, FIBP-1, ECGF, ECGFA, GLIO703, FGF1, FGF-a.

Formulation:

The sterile protein solution (1.8mg/ml) contains 20mM Tris HCl pH=7.9, 100mM KCl, 0.2mM DTT and 20% glycerol.

Purity:

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

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

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

Biological Activity:

The ED50, calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by 3H-thymidine uptake) is <10 ng/ml, corresponding to a specific activity of 100,000IU/mg.