

# Human FGF 1 Recombinant Protein



RPPB0199

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## Product Information    Protein Information

**Product SKU:**

RPPB0199

**Accession:**

P05230

**Host:**

Escherichia Coli.

**Protein description:**

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 approximately 15.8kDa. The FGF acidic is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing PBS, pH 7.4.

**Purity:**

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

**Solubility:**

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-acidic in sterile 18MΩ-cm H<sub>2</sub>O at 4 degrees Celsius at a concentration of 0.1mg-0.25mg per 1ml. Allow sample to sit for 5 min. at 4 degrees, spin to remove precipitant.

**Stability:**

Lyophilized Fibroblast Growth Factor-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-a should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MFNLPPGNYK KPKLLYCSNG GHFLRILPDG TVDGTDRSD QHIQLQLSAE SVGEVYIKST ETGQYLAMDT  
DGLLYGSQTP NEECLFLERL EENHYNTYIS KKHAENWFV GLKKNQSKR GPRTHYGQKA ILFLPLPVSS D.

**Biological Activity:**

The ED<sub>50</sub>, calculated by the dose-dependant proliferation of mouse BALB/c 3T3 cells is <0.5 ng/ml, corresponding to a specific activity of > 2,000,000IU/mg.