

# Human FGF 2 (147 a.a.) Recombinant Protein



RPPB0207

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## Product Information    Protein Information

**Product SKU:**

RPPB0207

**Accession:**

P09038

**Host:**

Escherichia Coli.

**Protein description:**

Fibroblast Growth Factor-2 Human Recombinant (FGF-2) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 147 amino acids and having a molecular mass of 16.5kDa. The FGF2 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Prostatropin, HBGH-2, HBGF-2, FGF-2, FGF-b.

**Formulation:**

The bFGF was lyophilized from a sterile filtered solution containing 20mM Tris-HCl, pH 7.6 and 150mM NaCl.

**Purity:**

Greater than 98.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized FGF-B in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized basic-FGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGFb 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.

**Amino Acid Sequence:**

MPALPEDGGS GAFPPGHFKD PKRLYCKNGG FFLRIHPDGR VDGVREKSDP HIKLQLQAE E RGVVSIKGV C  
ANRYLAMKED GRLLASKCVT DECFERLE SNNYNTYRSR KYTSWYVALK RTGQYKLGSK TGPGQKAILF  
LPMSAKS.

**Biological Activity:**

The ED<sub>50</sub>, Calculated by the dose- dependent proliferation of mouse BALB/c 3T3 cells is < 0.05ng/ml corresponding to a specific activity of 2.0x10<sup>7</sup> units/mg.