

# Bovine FGF2 (147) Recombinant Protein



RPPB0211

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## Product Information    Protein Information

**Product SKU:**

RPPB0211

**Accession:**

P03969

**Host:**

Escherichia Coli.

**Protein description:**

Fibroblast Growth Factor-basic (147 a.a.) Bovine Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 147 amino acid and having a molecular mass of approximately 16.5kDa.FGF2 (147) is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Purity:**

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-basic (147 a.a.) in sterile PBS not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized FGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor-basic (147 a.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:**

MPALPEDGGS GAFPPGHFKD PKRLYCKNGG FFLRIHPDGR VDGVREKSDP HIKLQLQAE E RGVSIKGV C  
ANRYLAMKED GRLLASKCVT DECFERLE SNNYNTYRSR KYSSWYVALK RTGQYKLGPK TPGQKAILF  
LPMSAKS.

**Biological Activity:**

The ED50 as determined by a cell proliferation assay using murine balb/c 3T3 cells is < 0.1 ng/ml, corresponding to a specific activity of > 1.0 × 10<sup>7</sup> IU/mg.