

# Human FGF 2 Recombinant Protein



RPPB0209

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## Product Information    Protein Information

**Product SKU:**

RPPB0209

**Accession:**

P09038

**Host:**

Rice Grain (*Oryza Sativa*).

**Protein description:**

FGF-2 Human Recombinant produced in rice is a single, non-glycosylated polypeptide chain containing 146 amino acids and having a molecular mass of ~17kDa. The FGF-b protein is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Prostatropin, HBGH-2, HBGF-2, FGF-2, FGF-b, Fibroblast growth factor 2, Basic fibroblast growth factor, Heparin-binding growth factor 2.

**Formulation:**

FGF-b was lyophilized from a concentrated solution without any additives.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor Basic 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 Fibroblast Growth Factor-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-b 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.

**Biological Activity:**

The ED<sub>50</sub>, as calculated by the dose-dependent proliferation of Balb/c 3T3 cells expressing FGF receptors is <1 ng/ml, corresponding to a specific activity of >1 x10<sup>6</sup> Units/mg.