

Rat FGF 2 Recombinant Protein



RPPB0213

Product Information Protein Information

Product SKU:

RPPB0213

Accession:

P13109

Host:

Escherichia Coli.

Protein description:

bFGF Rat Recombinant (FGF-2) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino acids and having a molecular mass of 16.4 kDa. The bFGF2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

HBGH-2, HBGF-2, Prostatropin, FGF-2, FGB-b, Fibroblast Growth Factor-basic, Basic fibroblast growth factor, bFGF, Heparin-binding growth factor 2.

Formulation:

FGF-b was lyophilized from 1mg/ml solution after extensive dialysis against 10mM Na₂PO₄, pH 7.5 and 50mM NaCl.

Purity:

Greater than 97.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Rat bFGF in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Rat bFGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Rat FGF-2 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:

MPALPEDGGGA FPPGHFKDPK RLYCKNGGFF LRIHPDGRVD GVREKSDPHV KLQLQAEERG VVSIKGVCAN RYLAMKEDGR LLASKCVTEE CFFERLESN NYNTYRSKY SSWYVALKRT GQYKLGSKTG PGQKAILFLP MSAKS.

Biological Activity:

The ED₅₀ range as determined by the dose-dependant proliferation of 3T3 cells was found to be less than 0.13-0.2ng/ml.