

Mouse FGF 2 Recombinant Protein



RPPB0212

Product Information Protein Information

Product SKU:

RPPB0212

Accession:

P15655

Host:

Escherichia Coli.

Protein description:

Fibroblast Growth Factor-basic Mouse Recombinant (FGF-2) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino acids and having a molecular mass of 16.3kDa. The FGF-2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

FGF-b was lyophilized from 5mM Na₂PO₄, pH7.5 and 50mM NaCl.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor b in sterile 18M-cm H₂O 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-basic 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:

MPALPEDGGA AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH VKLQLQAEER GVVSIKGVCA
NRYLAMKEDG RLLASKCVTE ECVFERLES NNYNTYRSRK YSSWYVALKR TGQYKLGSKT GPGQKAILFL
PMSAKS.

Biological Activity:

The activity as calculated by the dose-dependant proliferation of BALB/3T3 cells was found to be less than 1ng/ml corresponding to a specific activity of 1,000,000 units/mg.