

Human FGF 2 Recombinant Protein



RPPB0205

Product Information Protein Information

Product SKU:

RPPB0205

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 154 amino acids and having a molecular mass of 17.2kDa. The FGF-b is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Prostatropin, FGF-basic, Basic FGF, HBGF-2, FGF-2, FGF-b.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution in 20mM Tris-HCl, pH7.4 and 1M NaCl.

Purity:

Greater than 98.0% as determined by Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor Basic in sterile 18MΩ-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-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.

Amino Acid Sequence:

AAGSITTLPA LPEDGGSGAF PPGHFKDPKR LYCKNGGFFL RIHPDGRVDG VREKSDPHIK LQLQAEERGV
VSIKGVCANR YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYRSRKYT SWYVALKRTG QYKLGSKTGP
GQKAILFLPM SAKS.

Biological Activity:

The ED₅₀, calculated by the dose-dependant proliferation of murine balb/c 3T3 cells is <0.1ng/ml, corresponding to a specific activity of greater than 1.0x10⁷ Units/mg.