

Human FGF1 Recombinant Protein



RPPB0201

Product Information Protein Information

Product SKU:

RPPB0201

Accession:

P05230

Host:

Escherichia Coli.

Protein description:

Fibroblast Growth Factor-acidic Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 154 amino acids and having a molecular mass of 17.3kDa. The FGF1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

HbGF-1, ECGF-beta, FIBP, FGFIBP, FIBP-1, ECGF, ECGFA, GLIO703, FGF1, FGF-a.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4, with 0.5mM DTT, 2mM EDTA, and 5 % Trehalose.

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-acidic Recombinant in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized FGF1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor-acidic 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:

AEGEITTF TA LTKFNLPPG NYKKPKLLYC SNGGHFLRIL PDGTVDGTRD RSDQHIQLQL SAESVGEVVI
KSTETGQYLA MDTDGLLYGS QTPNEECLFL ERLEENHYNT YISKKHAEKN WFGVGLKKNKS CKRGPRTHYG
QKAILFLPLP VSSD.

Biological Activity:

The ED₅₀ as determined by a cell proliferation assay using murine balb/c 3T3 cells is < than 0.5 ng/ml, corresponding to a specific activity of > 2.0 × 10⁶ IU/mg in the presence of 10µg/ml Heparin.