



Catalog Number: PR29000

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MPA LPEDGGSGAF PPGHFKDPKR LYCKNGGFLL RIHPDGRVDG VREKSDPHIK
LQLQAEERGV VSIKGVCANR YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYR
SRKYT SWYVALKRTG QYKLGSKTGP GQKAILFLPM SAKS

Description: h bFGF-154 produced in *E. coli* is a single, non-glycosylated, polypeptide chain that contains 154 amino acids and has a molecular mass of 17.2 kDa.

Protein Content determined by: UV spectroscopy at 280 nm.
Quantitation on SDS-PAGE against a known standard.

Activity: hbFGF-154 is fully biologically active when compared to a standard.
The ED₅₀, measured in a mitogenic assay using quiescent NR6R-3T3 fibroblasts was found to be less than 0.1 ng/ml.

Endotoxin Level: Endotoxin level as measured by LAL is <0.01ng/ug or <0.1EU/ug.

Purity: >97% as determined by:
Analysis by RP-HPLC.
Reducing and non-reducing SDS-PAGE

Format: h bFGF-154 was lyophilized from a 10 mM sodium phosphate solution (pH 8.0).

Reconstitution: It is recommended to reconstitute the lyophilized product with sterile water to a concentration of 0.1 mg/ml. It can be further diluted into other aqueous solutions.

Shipping Conditions: Can be shipped ambient. Product should be stored at -20° C upon receipt.

Storage: Product is stable for up to 3 years from manufacturing date, when stored lyophilized at -20° C. Reconstituted material should be aliquoted and frozen at -20° C. It is Recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Avoid multiple freeze-thaw cycles

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