

Active Recombinant Human FGF2 protein

Cat. No. FGF2-567H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF2 protein(P09038)(143-288 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	143-288 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in 20 mM Tris-HCl, 150 mM NaCl, 5% Trehalose, 0.02% Tween-20, pH 7.6.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 0.05 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^7$ U/mg.
Molecular Mass	Approximately 16.5 kDa, a single non-glycosylated polypeptide chain containing 147 amino acids.
AASequence	MPALPEDGGS GAFPPGHFKD PKRLYCKNGG FFLRIHPDGR VDGVREKSDP HIKLQLQAE E RGVVSIKVC ANRYLAMKED GRLLASKCVT DECFFFERLE SNNYNTYRSR KYTSWYVALK RTGQYKLGSK TGPQKAILF LPMSAKS
Endotoxin	Less than 1 EU/g of rHubFGF as determined by LAL method.
Purity	> 96% by SDS-PAGE analyses.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name FGF2 fibroblast growth factor 2 (basic) [Homo sapiens]

Official Symbol FGF2

Synonyms FGF2; fibroblast growth factor 2 (basic); FGFB; fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF; BFGF; FGF-2; HBGF-2;

Gene ID 2247

mRNA Refseq NM_002006

Protein Refseq NP_001997

MIM 134920

UniProt ID P09038

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SDS-PAGE