

Active Recombinant Human FGF1 protein

Cat. No. FGF1-564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF1 protein(P05230)(16-155 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	16-155 aa
Form	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 7.4.
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 0.5 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^6$ IU/mg in the presence of 10 µg/ml of heparin.
Molecular Mass	Approximately 16.0 kDa, a single non-glycosylated polypeptide chain containing 141 amino acids.
AASequence	MFNLPPGNYK KPKLLYCSNG GHFLRILPDG TVDGTRDRSD QHIQLQLSAE SVGEVYIKST ETGQYLAMDT DGLLYGSQTP NEECLFLERL EENHYNTYIS KKHAEKNWV GLKKNNGSCKR GPRTHYGQKA ILFLPLPVSS D
Endotoxin	Less than 1 EU/g of rHuaFGF as determined by LAL method.
Purity	> 95 % by SDS-PAGE and HPLC 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 FGF1 fibroblast growth factor 1 (acidic) [Homo sapiens]

Official Symbol FGF1

Synonyms FGF1; fibroblast growth factor 1 (acidic); FGFA; fibroblast growth factor 1; AFGF; ECGF; ECGF beta; ECGFA; ECGFB; endothelial cell growth factor; alpha; beta; FGF alpha; GLIO703; HBGF1; heparin binding growth factor 1; heparin-binding growth factor 1; beta-endothelial cell growth factor; endothelial cell growth factor, beta; endothelial cell growth factor, alpha; FGF-1; HBGF-1; ECGF-beta; FGF-alpha;

Gene ID 2246

mRNA Refseq NM_000800

Protein Refseq NP_000791

MIM 131220

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UniProt ID	P05230
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SDS-PAGE	
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