

## Active Recombinant Human FGF1 protein

Cat. No. FGF1-255H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human FGF1 protein(P05230)(16-155 aa) was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	16-155 aa
<b>Form</b>	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 7.4.
<b>Bio-activity</b>	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 × 10 <sup>6</sup> IU/mg in the presence of 10 µg/ml of heparin.
<b>Molecular Mass</b>	Approximately 16.0 kDa, a single non-glycosylated polypeptide chain containing 141 amino acids.
<b>AASequence</b>	MFNLPPGNYK KPKLLYCSNG GHFLRILPDG TVDGTRDRSD QHIQLQLSAE SVGEVYIKST ETGQYLAMDT DGLLYGSQTP NEECLFLERL EENHYNTYIS KKHAEKNWFV GLKKNNGSCKR GPRTHYGQKA ILFLPLPVSS D
<b>Endotoxin</b>	Less than 1 EU/g of rHuaFGF as determined by LAL method.

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<b>Purity</b>	> 95 % by SDS-PAGE and HPLC analyses.
<b>Storage</b>	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.
<b>Reconstitution</b>	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.

## GENE INFORMATION

<b>Gene Name</b>	FGF1 fibroblast growth factor 1 (acidic) [ Homo sapiens ]
<b>Official Symbol</b>	FGF1
<b>Synonyms</b>	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;
<b>Gene ID</b>	2246
<b>mRNA Refseq</b>	NM_000800
<b>Protein Refseq</b>	NP_000791
<b>MIM</b>	131220

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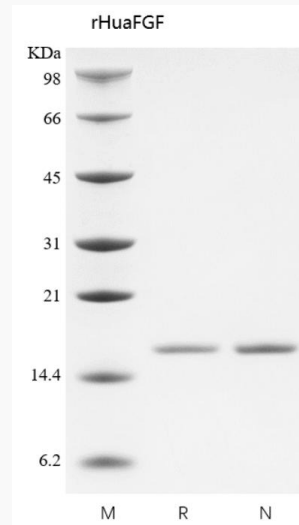
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UniProt ID

P05230

SDS-PAGE



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