

## Recombinant Active Human FGF1 Protein, His-tagged(C-ter)

Cat. No. FGF1-72H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Active Human FGF1 Protein with His tag (C-ter) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009]
<b>Form</b>	Powder
<b>Bio-activity</b>	Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 0.3 ng/mL. The specific activity of recombinant human FGF-1 is > 1 x 10 <sup>6</sup> IU/mg.
<b>AA Sequence</b>	MFNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEVYI KSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISKKHAEKNWVGLK KNGSCKRGRPTHYGGKAILFLPLPVSSD

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<b>Endotoxin</b>	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
<b>Purity</b>	> 98% (by SDS-PAGE)
<b>Applications</b>	SDS-PAGE
<b>Notes</b>	For laboratory research only, not for drug, diagnostic or other use.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
<b>Storage Buffer</b>	PBS (pH 8.0)
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

## 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;

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**Gene ID** 2246

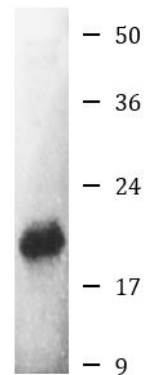
**mRNA Refseq** NM\_000800

**Protein Refseq** NP\_000791

**MIM** 131220

**UniProt ID** P05230

**SDS-PAGE**



Human FGF acidic  
recombinant protein

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