

## Active Recombinant Human FGF1 Protein

Cat. No. FGF1-043H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The mature recombinant human FGF acidic protein consists of 154 amino acids (2-155) without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2-155 a.a.
<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.
<b>Bio-activity</b>	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED50 for this effect is 0.015-0.15 ng/mL in the presence of 10 µg/mL of heparin.
<b>Molecular Mass</b>	17 kDa
<b>Product-Related</b>	2-155

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<b>Proteins</b>	
<b>Endotoxin</b>	< 0.1 EU/μg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	At -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	PBS
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	FGF1 fibroblast growth factor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FGF1
<b>Synonyms</b>	FGF1; fibroblast growth factor 1; AFGF; ECGF; FGFA; ECGFA; ECGFB; FGF-1; HBGF1; HBGF-1; GLIO703; ECGF-beta; FGF-alpha; fibroblast growth factor 1; Names; beta-endothelial cell growth factor; endothelial cell growth factor, alpha; endothelial cell growth factor, beta; fibroblast growth factor 1 (acidic); heparin-binding growth factor 1
<b>Gene ID</b>	2246
<b>mRNA Refseq</b>	NM_000800
<b>Protein Refseq</b>	NP_000791
<b>MIM</b>	131220
<b>UniProt ID</b>	P05230

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