

Recombinant Human FGF1, His-tagged

Cat. No. FGF1-26555TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human FGF1 with His tag expressed in a baculovirus system; amino acids 16-155 , approximately 18kDa.
Species	Human
ProteinLength	16-155 a.a.
Description	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.
Conjugation	HIS
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequence
Similarities**

Belongs to the heparin-binding growth factors family.

Full Length

Full L.

GENE INFORMATION

Gene Name

FGF1 fibroblast growth factor 1 (acidic) [Homo sapiens]

Official Symbol

FGF1

Synonyms

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

Gene ID

2246

mRNA Refseq

NM_000800

Protein Refseq

NP_000791

MIM

131220

Uniprot ID

P05230

**Chromosome
Location**

5q31.3-q33.2

Pathway

Downstream signaling of activated FGFR, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem; FGFR ligand binding and activation,

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organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1b ligand binding and activation, organism-specific biosystem;

Function

S100 alpha binding; fibroblast growth factor receptor binding; growth factor activity; heparin binding; protein binding;

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