

Native Human FGF1

Cat. No. FGF1-26203TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGF1.
Species	Human
Source	E.coli
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.
Form	Lyophilised
Storage buffer	Preservative: None Constituents: 5mM Sodium phosphate, 100mM Sodium chloride, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino	Recombinant Human FGF1 is a 15.8 kDa protein containing 140 amino acid residues:

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acids

MFNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEVYI
KSTETGQYLA MDT DGLLYGSQTPNEECLFLERLEENHYNTYISKKHA EK NWFVGL
KKN GSCKRGPRTHYGQKAILFLPLPVSSD

Sequence Similarities

Belongs to the heparin-binding growth factors family.

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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