

Recombinant Active Human FGF5 Protein, His-tagged(C-ter)

Cat. No. FGF5-88H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human FGF5 Protein with His tag (C-ter) was expressed in E. coli.
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 gene was identified as an oncogene, which confers transforming potential when transfected into mammalian cells. Targeted disruption of the homolog of this gene in mouse resulted in the phenotype of abnormally long hair, which suggested a function as an inhibitor of hair elongation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 0.7 ng/mL. The specific activity of recombinant human FGF-5 is > 1.4 x 10 ⁶ IU/mg.
AA Sequence	MAWAHGEKRLAPKGQP GPAATDRNPIGSSSRQSSSSAMSSSSASSSPAASLGSQG SGLEQSSSFQWSPSGRRTGSLYCRVGIGFHLQIYPDGKVNGSHEANMLSVLEIFAVS QGIVGIRGVFSNKFLAMSKKGLHASAKFTDDCKFRERFRQENSYNTYASAIHRTEKT

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GREWYVALNKRKGKAKRGCSRVKPKQHISTHFLPRFKQSEQPELSFTVTVPEKKNPP
SPIKSKIPLSAPRKNTNSVKYRLKFRFG

Endotoxin Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.

Purity > 95% (by SDS-PAGE)

Applications SDS-PAGE

Notes For laboratory research only, not for drug, diagnostic or other use.

Storage 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.

Storage Buffer PBS (pH 8.0)

Reconstitution 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

Gene Name FGF5 fibroblast growth factor 5 [Homo sapiens]

Official Symbol FGF5

Synonyms FGF5; fibroblast growth factor 5; heparin-binding growth factor 5; HBGF-5; Smag-82;

Gene ID 2250

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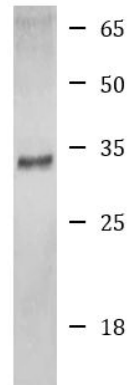
mRNA Refseq [NM_004464](#)

Protein Refseq [NP_004455](#)

MIM [165190](#)

UniProt ID [P12034](#)

SDS-PAGE



Human FGF5
recombinant protein

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