

Recombinant Active Human FGF8 Protein, His-tagged(C-ter)

Cat. No. FGF8-90H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Active Human FGF8 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 protein is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogenesis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants. [provided by RefSeq, Jul 2008]

Form Powder

Bio-activity Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 2 µg/mL.

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AA Sequence	MQHVREQSLVTDQLSRRLIRTYQLYSRTSGKHVQVLANKRINAMAEDGDPFAKLIVE TDTFGSRVVRGAETGLYICMNNKKGKLIAKSNGKGDVCVFTEIVLENNYTALQNAKY EGWYMAFTRKGRPRKGSKTRQHQREVHFMKRLPRGHHTTEQSLRFEFLNYPFTR SLRGSQRTWAPEPR
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 98% (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	FGF8 fibroblast growth factor 8 (androgen-induced) [Homo sapiens]
Official Symbol	FGF8
Synonyms	FGF8; fibroblast growth factor 8 (androgen-induced); fibroblast growth factor 8; AIGF;

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androgen-induced growth factor; heparin-binding growth factor 8; KAL6; FGF-8;
HBGF-8; MGC149376;

Gene ID [2253](#)

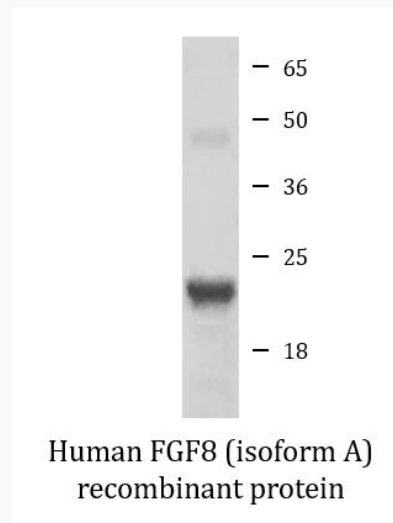
mRNA Refseq [NM_001206389](#)

Protein Refseq [NP_001193318](#)

MIM [600483](#)

UniProt ID [P55075](#)

SDS-PAGE



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