

Active Recombinant Human FGF8 Protein, His-Tagged

Cat. No. FGF8-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF8 Protein, His-Tagged was expressed in HEK293 cell
Species	Human
Source	HEK293
ProteinLength	204aa
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.
Form	Liquid
Bio-activity	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells in the presence of 10 ug/ml of heparin. The ED50 range $\leq$ 5 ug/ml.

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Molecular Mass	23.7kDa (204aa)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Absorbance at 280nm)
Storage Buffer	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.

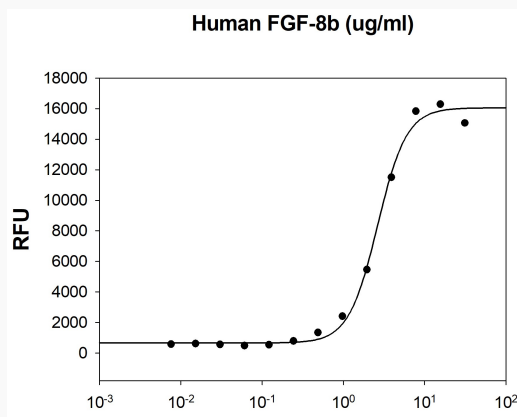
GENE INFORMATION

Gene Name	FGF8 fibroblast growth factor 8 [Homo sapiens (human)]
Official Symbol	FGF8
Synonyms	FGF8, AIGF, Androgen-induced growth factor, FGF-8, HBGF-8, Heparin-binding growth factor 8, HH6, KAL6, fibroblast growth factor 8, fibroblast growth factor 8 isoform B
Gene ID	2253
mRNA Refseq	NM_006119.6
Protein Refseq	NP_006110.1
MIM	600483

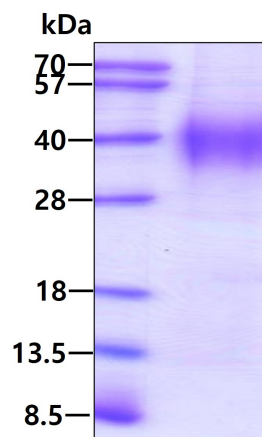
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UniProt ID
P55075
Biological Activity


Human FGF-8b stimulates cell proliferation of the Balb/3T3 mouse embryonic fibroblast cells in the presence of 10 ug/ml of heparin. The ED50 range $\leq$ to 5 ug/ml.

SDS-PAGE


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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