

## 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Molecular Mass</b>	23.7kDa (204aa)
<b>Purity</b>	> 90% by SDS-PAGE
<b>Applications</b>	SDS-PAGE, Bioactivity
<b>Storage</b>	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.
<b>Concentration</b>	0.25 mg/ml (determined by Absorbance at 280nm)
<b>Storage Buffer</b>	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	FGF8 fibroblast growth factor 8 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FGF8
<b>Synonyms</b>	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
<b>Gene ID</b>	2253
<b>mRNA Refseq</b>	NM_006119.6
<b>Protein Refseq</b>	NP_006110.1
<b>MIM</b>	600483

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UniProt ID

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