

## Active Recombinant Human FGF8 Protein, Animal Free

Cat. No. FGF8-12H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FGF8 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	<p>FGF-8b(FGF-8) is belonging to the FGF family, which is widely expressed during embryogenesis. There are four known alternate spliced forms of FGF-8: FGF-8a, FGF-8b, FGF-8e and FGF-8f. Proteins of this family play an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. FGF-8b is required for normal brain, eye, ear and limb development during embryogenesis. It is also required for normal development of the gonadotropin-releasing hormone (GnRH) neuronal system during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-8b shows the strongest receptor affinity and oncogenic transforming capacity.</p>
<b>Bio-activity</b>	The activity was measured by its ability to stimulate the proliferation of 3T3 mouse fibroblast cells.
<b>Molecular Mass</b>	35-45 kDa
<b>Endotoxin</b>	<0.5 EU/ µg

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<b>Purity</b>	High Purity, >95% by SDS-PAGE
<b>Stability</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein
<b>Reconstitution</b>	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

## GENE INFORMATION

<b>Gene Name</b>	FGF8 fibroblast growth factor 8 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FGF8
<b>Synonyms</b>	FGF8; fibroblast growth factor 8; HH6; AIGF; KAL6; FGF-8; HBGF-8; fibroblast growth factor 8; androgen-induced growth factor; fibroblast growth factor 8 (androgen-induced); heparin-binding growth factor 8
<b>Gene ID</b>	2253
<b>mRNA Refseq</b>	NM_033163
<b>Protein Refseq</b>	NP_149353
<b>MIM</b>	600483

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UniProt ID

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