

## Active Recombinant Human/Mouse FGF8 Protein

Cat. No. FGF8-91H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human/Mouse FGF8 Protein without tag was expressed in E. coli.
<b>Species</b>	Human/Mouse
<b>Source</b>	E.coli
<b>Description</b>	Fibroblast growth factor 8 (FGF-8) is a critical mitogenic factor that is required for normal development of the eye, ear, brain, and limb. FGF-8 functions broadly to promote cell proliferation, differentiation, and migration. Overexpression of FGF-8 increases tumor growth and angiogenesis. Human and mouse FGF-8 proteins show 100% homology.
<b>Bio-activity</b>	3T3 cell proliferation, $\leq 150$ ng/mL
<b>Molecular Mass</b>	Monomer, 22.5 kDa (194 aa)
<b>AA Sequence</b>	MQQVTVQSSPNFTQHVREQSLVTDQLSRRLIRTYQLYSRTSGKHVQVLANKRINAMA EDGDPFAKLIVETDTFGSRVVRVGAETGLYICMNKKGKLIKSNKGKDCVFTEIVLE NNYTALQNAKYEGWYMAFTRKGRPRKGSKTRQHQRVHFMKRLPRGHHTTEQSL RFEFLNYPFTRSLRGSQRTWAPEPR
<b>Endotoxin</b>	$\leq 1$ EUs/ $\mu$ g, Kinetic LAL
<b>Purity</b>	$\geq 95\%$ , Reducing and Non-Reducing SDS PAGE

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<b>Stability</b>	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
<b>Storage</b>	Storage Prior to Reconstitution: -20 centigrade
<b>Storage Buffer</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% TFA.
<b>Reconstitution</b>	Sterile water at 0.1 mg/mL
<b>Shipping</b>	Room temperature
<b>Instructions</b>	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">FGF8 fibroblast growth factor 8 (androgen-induced) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">FGF8</a>
<b>Synonyms</b>	FGF8; fibroblast growth factor 8 (androgen-induced); fibroblast growth factor 8; AIGF; androgen-induced growth factor; heparin-binding growth factor 8; KAL6; FGF-8; HBGF-8; MGC149376;
<b>Gene ID</b>	<a href="#">2253</a>
<b>mRNA Refseq</b>	<a href="#">NM_001206389</a>

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**Protein Refseq** [NP\\_001193318](#)

**MIM** [600483](#)

**UniProt ID** [P55075](#)

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