

Active Recombinant Human/Mouse FGF8 Protein

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

SPECIFICATION

Product Overview	Recombinant Human/Mouse FGF8 Protein without tag was expressed in E. coli.
Species	Human/Mouse
Source	E.coli
Description	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.
Bio-activity	3T3 cell proliferation, ≤ 150 ng/mL
Molecular Mass	Monomer, 22.5 kDa (194 aa)
AA Sequence	MQVTVQSSPNFTQHVREQLVTDQLSRRLIRTYQLYSRTSGKHVQVLANKRINAMA EDGDPFAKLIVETDTFGSRVRVRGAETGLYICMNKKGKLIAKSNGKGKDCVFTEIVLE NNYTALQNAKYEGWYMAFTRKGRPRKGSKTRQHQRVHFMKRLPRGHHTTEQSL RFEFLNYPFTRSLRGSQRTWAPEPR
Endotoxin	≤ 1 EUs/ μ g, Kinetic LAL
Purity	$\geq 95\%$, Reducing and Non-Reducing SDS PAGE

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Stability	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.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% TFA.
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	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

Gene Name	FGF8 fibroblast growth factor 8 (androgen-induced) [Homo sapiens (human)]
Official Symbol	FGF8
Synonyms	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;
Gene ID	2253
mRNA Refseq	NM_001206389

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Protein Refseq	NP_001193318
MIM	600483
UniProt ID	P55075

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