Active Recombinant Human FGF9 Protein

Cat. No. FGF9-94H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF9 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Fibroblast growth factor 9 (FGF-9) is a mitogen and survival factor for nerve and mesenchymal cells. FGF-9 functions as an autocrine and paracrine factor to support the growth and survival of motor neurons and prostate tissue. FGF-9 expression in the gonad is also necessary for sex determination.
Bio-activity	3T3 proliferation, ED50≤10 ng/mL
Molecular Mass	Monomer, 23.4 kDa (207 aa)
AA Sequence	MPLGEVGSYFGVQDAVPFGNVPVLPVDSPVLLNDHLGQSEAGGLPRGPAVTDLDH LKGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGLYL GMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGT PREGTRTKRHQKFTHFLPRPVDPDKVPELYKDILSQS
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied.

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	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 10 mM sodium phosphate, pH 7.5
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	Fgf9 fibroblast growth factor 9 [Mus musculus (house mouse)]
Official Symbol	FGF9
Synonyms	FGF9; fibroblast growth factor 9; GAF; FGF-9; HBGF-9; elbow knee synostosis; glia activating factor; glia-activating factor; Eks;
Gene ID	14180
mRNA Refseq	NM_013518
Protein Refseq	NP_038546

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UniProt ID	P54130

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