

Active Recombinant Human FGF9 Protein

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

SPECIFICATION

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|-------------------------|---|
| 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 \leq 10 ng/mL |
| Molecular Mass | Monomer, 23.4 kDa (207 aa) |
| AA Sequence | MPLGEVGSYFGVQDAVPFGNVPVLPVDSPVLLNDHLGQSEAGGLPRGPAVTDLDH LKGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHRSRFGILEFISIAVGLVSIRGVDSGLYL GMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGT PREGTRTKRHQKFTHFLPRPVDPKVPELYKDILSQS |
| Endotoxin | \leq 1 EUs/ μ g, Kinetic LAL |
| Purity | \geq 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

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