

GFM13AF Recombinant Mouse FGF-9 (Animal-Free)

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.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

Length	207 aa
Molecular Weight	23.4 kDa
Source	E. coli
Accession Number	P54130
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names	Fibroblast Growth Factor 9, FGF9, FGF 9, Glia Activating Factor, GAF, GAF2, heparin-binding growth factor 9, HBGF-9, SYNS3
Biological Activity	Mouse FGF-9 is fully biologically active when compared to standard. The activity is determined by the dose-dependent induced proliferation of NR6R-3T3 cells and it is typically less than 10 ng/ml. This corresponds to an expected specific activity of 1.0×10^5 units/mg.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MPLGEVGSYFG VQDAVPFGNV PVLVDSPLV LNDHLGQSEA GGLPRGPAVT DLDHLKGILR RRQLYCRTGF HLEIFPNGTI QGTRKDHSRF GILEFISIAV GLVSIRGVDS GLYLG MNEKG ELYGSEKLTQ ECVFREQFEE NWyNTYSSNL YKHVDTGRRY YVALNKDGTp REGTRTKRHQ KFTHF LPRPV DPDKVPELYK DILSQS

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.