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Recombinant Mouse FGF-9

Catalog No.	CRM423A	**Quantity:**	2 µg
	CRM423B		100 µg
	CRM423C		1 mg

Alternate Names: Fibroblast growth factor 9, Glia activating factor, GAF, Heparin binding growth factor 9, HBGF-9,

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.

Gene ID: 14180

UniProt ID: P54130

Source: *E. coli*

Molecular Weight: Monomer, 23.45 kDa (207 aa)

Formulation: Lyophilized from a sterile-filtered solution containing 10 mM sodium phosphate, pH 7.5

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤1 EU/µg by kinetic LAL analysis

Biological Activity: ED_{50} ≤ 10 ng/mL, determined by dose-dependent 3T3 proliferation.

Specific Activity: ≥ 1.0 x 10^5 units/mg

Amino Acid Sequence: MPLGEVGSYF GVQDAVPFGN VPVLPVDSPV LLNDHLGQSE AGGLPRGPAV TDLDHLKGIL RRRQLYCRTG FHLEIFPNGT IQGTRKDHSR FGILEFISIA VGLVSIRGVD SGLYLGMNEK GELYGSEKLT QECVFREQFE ENWYNTYSSN LYKHVDTGRR YYVALNKDGT PREGTRTKRH QKFTHFLPRP VDPDKVPELY KDILSQS

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipet solution up and down sides of vial. **DO NOT VORTEX**. Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: Store as supplied at -20°C to -80°C for up to one year. **Upon reconstitution**, the preparation is stable for up to 1 month at 2-8°C. **For long term storage**, reconstitute in working aliquots in 0.1% BSA solution and store at -80°C.
Avoid repeated freeze-thaw cycles.

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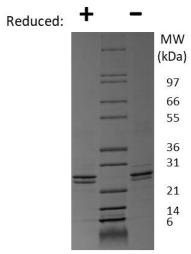
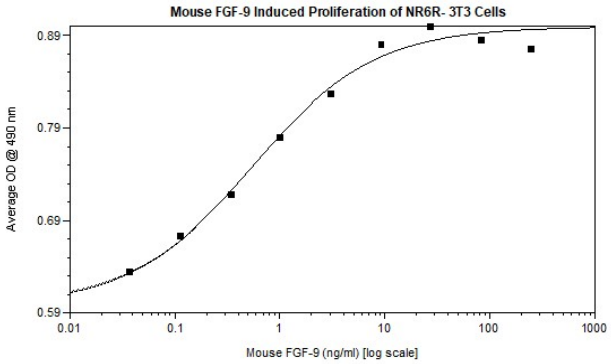
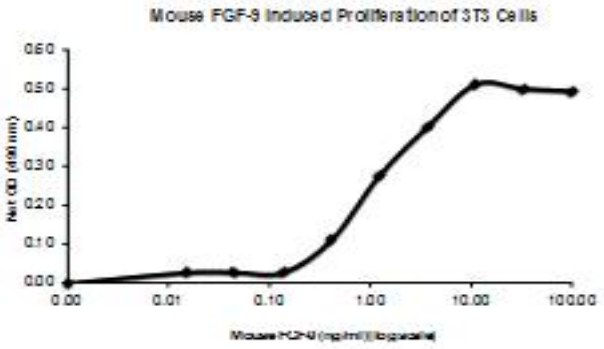


Mouse FGF-9 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse FGF-9 is predicted to have a MW of 23.4 kDa.





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