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# Recombinant Mouse FGF-9, Animal Free

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|---|---|---|---|
| **Catalog No.** | CRM423A-AF | **Quantity:** | 2 µg |
| | CRM423B-AF | | 100 µg |
| | CRM423C-AF | | 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:** ≥ $1.0 \times 10^5$ 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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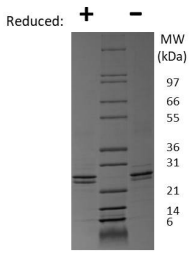
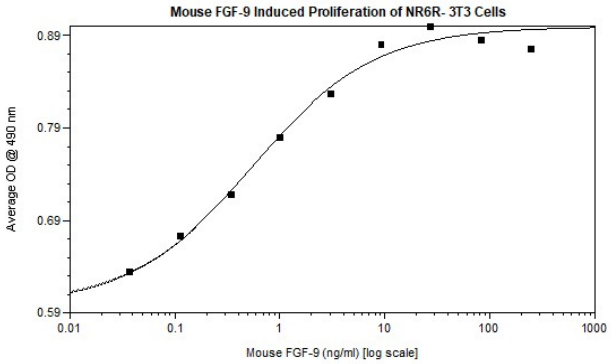
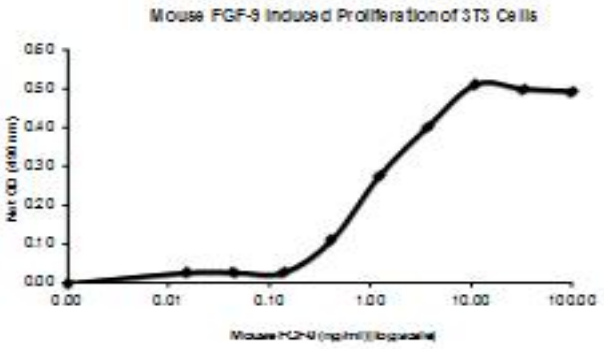



**Mouse FGF-9 Gel**
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse FGF-9 is predicted to have a MW of 23.4 kDa.

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