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FGF9
Recombinant Human FGF-9, Animal Free

Catalog No.	CRF132A-AF	**Quantity:**	5 µg
	CRF132B-AF		25 µg
	CRF132C-AF		1.0 mg
	CRF132D-AF		100 µg

Alternate Names: Fibroblast growth factor-9 , Glia-Activating Factor, GAF, Heparin-binding growth factor-9, HBFG-9

Gene ID: 2254

UniProt ID: P31371

Description: Fibroblast growth factor-9 (FGF-9) is a member of the fibroblast growth factor (FGF) family. All FGF family members are heparin binding growth factors with a core 120 amino acid FGF domain that allows for a common tertiary structure. FGF-9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. FGF-9 is a monomer and interacts with FGFR1, FGFR2, FGFR3 and FGFR4. The human FGF-9 shares 98 % a.a. sequence identity with mouse, rat, equine, porcine, and bovine FGF-9.

Source: *E. coli*
Made without animal-derived components in an animal-free facility.

Molecular Weight: 23.4 kDa (207 aa) monomer

Formulation: Lyophilized from a sterile filtered (0.2 µm) solution of 10 mM sodium phosphate, 25 mM sodium chloride, 50 mM sodium sulfate, pH 7.5

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

Endotoxin Level: ≤ 1 EU/µg, determined by kinetic LAL

Biological Activity: ED_{50} ≤ 2.0 ng/ml, determined by 3T3 cell proliferation.

Specific Activity: ≥ 5.0×10^5 units/mg

Amino Acid Sequence: MPLGEVGNYF GVQDAVPFGN VPVLPVDSPV LLSDHLGQSE 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 a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for complete reconstitution.

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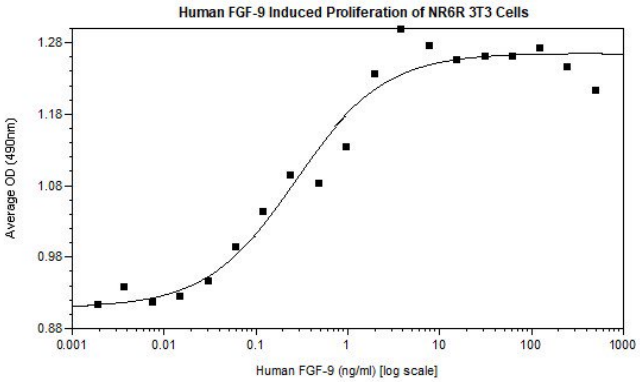
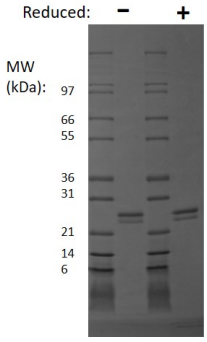
Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.





Human FGF-9
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human FGF-9 has a predicted MW of 23.4 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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