

FGF9

Recombinant Human Fibroblast Growth Factor 9

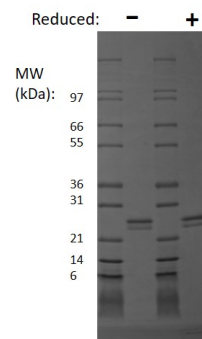
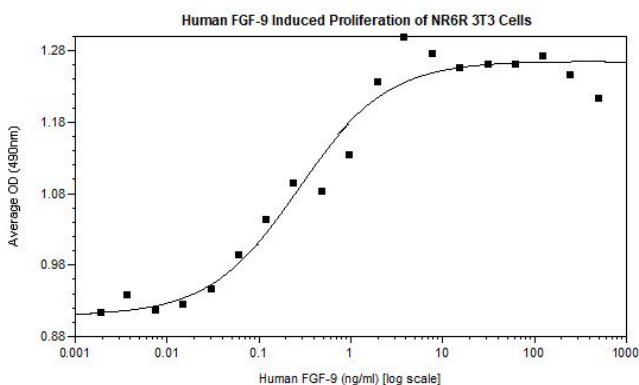
Catalog No.	CRF132A CRF132B CRF132C CRF132D	Quantity:	5 µg 25 µg 1.0 mg 100 µg
Alternate Names:	FGF-9, Glia-Activating Factor, GAF, Heparin-binding growth factor-9, HBFG-9		
Gene ID:	2254		
UniProt ID:	P31371		
Description:	Fibroblast growth factor-9 (FGF-9) is a member of the fibroblast growth factor (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:	<i>E. coli</i>		
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 x 10 ⁵ units/mg		
Amino Acid Sequence:	MPLGEVGNFY GVQDAVPFGN VPVLPVDSPV LLSDDLHGQSE AGGLPRGPAV TDLHLKGIL RRRQLYCRTG FHLEIFPNGT IQGTRKDHRS FGILEFISIA VGLVSIRGVD SGLYLGMEK 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.		



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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