

FGF8

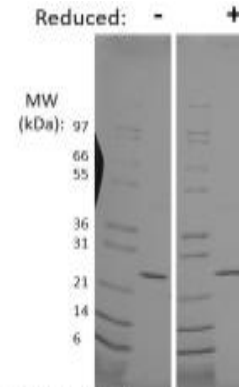
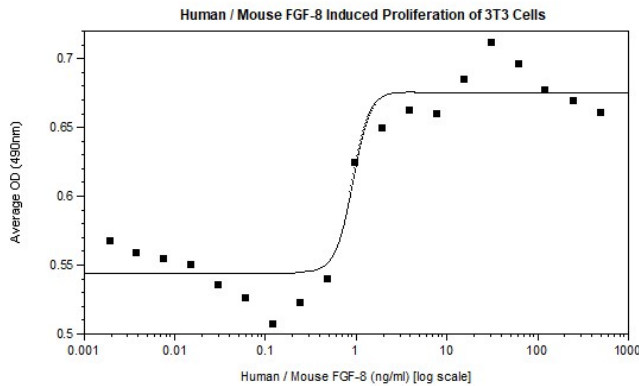
Recombinant Human/Mouse FGF-8, Animal Free

Catalog No.	CRH302A-AF CRH302B-AF CRH302C-AF	Quantity:	5 µg 100 µg 1 mg
Alternate Names:	Androgen-induced growth factor, AIGF, Heparin-binding growth factor 8, HBGF-8, FGF-8b isoform		
Description:	Fibroblast growth factor 8 (FGF-8) is a critical mitogenic factor that is required for normal development of the eye, ear, brain, and limb. FGF-8 functions broadly to promote cell proliferation, differentiation, and migration. Overexpression of FGF-8 increases tumor growth and angiogenesis. Human and mouse FGF-8 proteins show 100% homology.		
Gene ID:	2253		
UniProt ID:	P55075		
UniProt Name:	Fibroblast growth factor 8		
Source:	<i>E. coli</i> , produced without animal-derived products in an animal free facility.		
Molecular Weight:	Monomer, 22.5 kDa (194 aa)		
Formulation:	Lyophilized from a sterile filtered aqueous solution containing 0.1% trifluoroacetic acid (TFA)		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg by kinetic LAL analysis Manufactured without Animal-derived products, in an Animal Free facility.		
Biological Activity:	ED ₅₀ ≤ 150 ng/ml, determined by the ability to induce proliferation of mouse 3T3 cells		
Specific Activity:	≥ 6.7 x 10 ³ U/mg.		
Amino Acid Sequence:	MQVTVQSSPN FTQHVREQLS VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD PFAKLIVETD TFGSRVRVGAETGLYICMN KKGKLIAXSN GKGKDCVFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK GSKTRQHQRE VHFMKRLPRG HHTTEQSLRFEFLNYPFTR SLRGSQRTWA PEPR		
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 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-8 Gel

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-8 is predicted have a MW of 22.5 kDa.

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



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