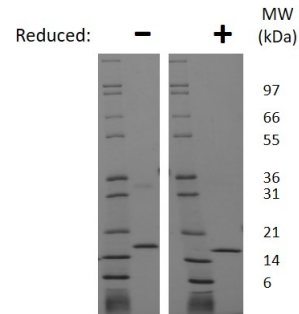
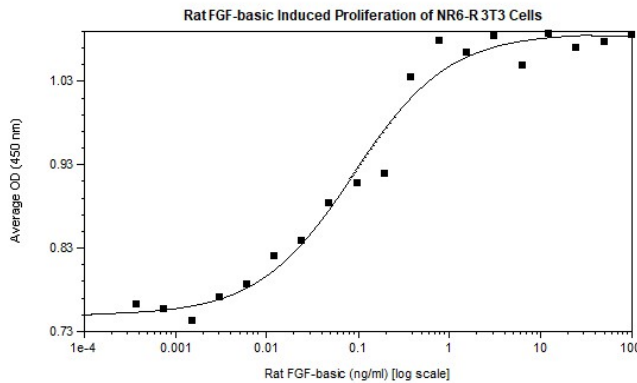


Fgf2

Recombinant Rat FGF-basic, Animal Free

Catalog No.	CRR304A-AF CRR304B-AF CRR304C-AF	Quantity:	10 µg 100 µg 1 mg
Alternate Names:	Fibroblast growth factor 2, FGF2, Heparin-binding growth factor 2, HBGF-2, Prostatropin		
Description:	Basic fibroblast growth factor (FGF-basic), also known as FGF-2, is expressed by endothelial cells and is a mediator of angiogenesis. FGF-basic also has cardioprotective functions during heart injury. FGF-basic binds heparin in order to signal through fibroblast growth factor (FGF) receptor tyrosine kinases.		
Gene ID:	54250		
UniProt ID:	P13109		
Source:	<i>E. coli</i> Manufactured without Animal-derived products, in an Animal Free facility.		
Molecular Weight:	Monomer, 16.4 kDa (146 aa)		
Formulation:	Lyophilized from a sterile-filtered solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg by kinetic LAL analysis		
Biological Activity:	Typical ED50 is <100 pg/ml, determined by the dose-dependent proliferation of 3T3 cells.		
Specific Activity:	≥ 1.0 x 10 ⁶ U/mg		
Amino Acid Sequence:	MPALPEDGGG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH VKLQLQAEER GVVSIGKVCA NRYLAMKEDG RLLASKCVTE ECGFERLES NNYNTYRSRK YSSWYVALKR TGQYKLGSKT GPGQKAILFL PMSAKS		
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.		
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.		



Rat FGF-basic Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Rat FGF-basic is predicted to have a MW of 16.4 kDa.

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



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