Fgf2
Recombinant Rat FGF-basic

Catalog No.	CRR304A	**Quantity:**	10 µg
	CRR304B		100 µg
	CRR304C		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 receptor tyrosine kinases.

Gene ID: 54250

UniProt ID: P13109

Source: *E. coli*

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: ≥ 1.0×10^6 U/mg

Amino Acid Sequence: MPALPEDGGG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH VKLQLQAEER GVVSIKGVCA NRYLAMKEDG RLLASKCVTE ECFFFERLES 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.

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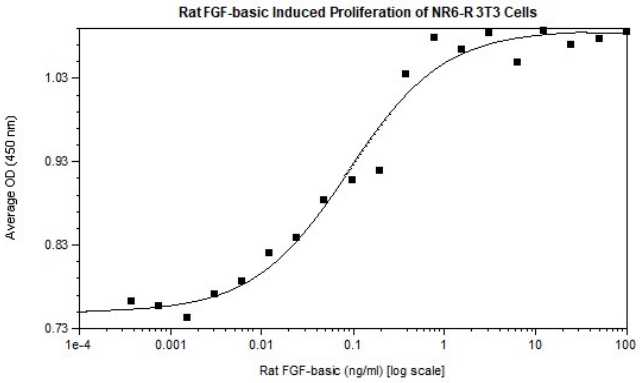

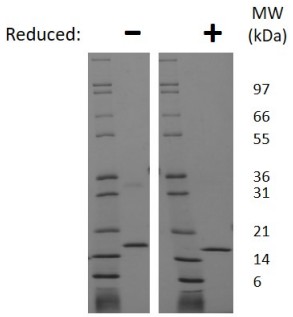

Rat FGF-basic Gel

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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