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Fgf2
Recombinant Mouse FGF-basic (FGF2), Animal Free

Catalog No.	CRM425A-AF	**Quantity:**	10 µg
	CRM425B-AF		100 µg
	CRM425C-AF		1 mg

Alternate Names: FGF2, 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. Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4. Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell migration. Functions as a potent mitogen in vitro.

Gene ID: 14173

Protein Accession No: P15655

Source: *E. coli*

Molecular Weight: Monomer, 16.5 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: ED50 ≤ 2.5 ng/ml, determined by the dose-dependent proliferation 3T3 cells.

Specific Activity: 4.0×10^6 units/mg.

Amino Acid Sequence: MPALPEDGGA AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH VKLQLQAEER GVVSIKGVCA NRYLAMKEDG RLLASKCVTE ECFFFERLES NNYNTYRSRK YSSWYVALKR TGQYKLGSKT GPGQKAILFL PMSAKS

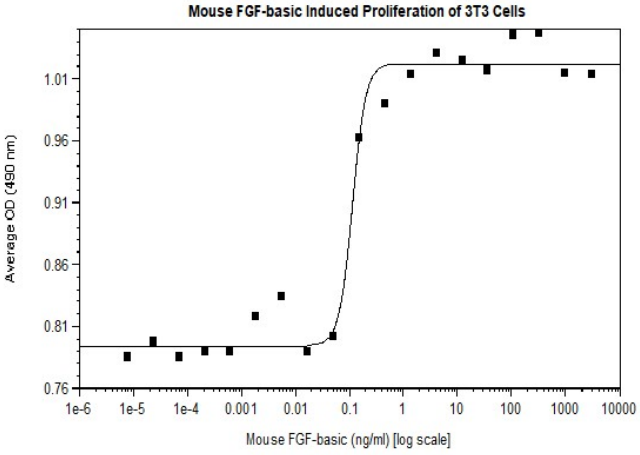
Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipet solution up and down sides of vial. **DO NOT VORTEX**. Allow several minutes for reconstitution. A small amount of precipitate may be seen.

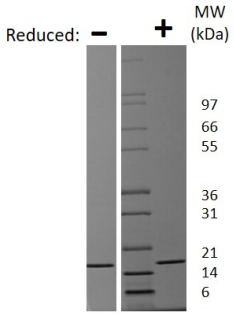
Storage & Stability: The lyophilized protein is stable ambient for shipping purpose. Upon receipt, store at -20° C to -80°C. After reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, prepare working aliquots and store at -20°C to -80°C. For long term storage of reconstituted protein, it is recommended that a carrier protein such as 0.1% BSA or HSA be added. This depends on the particular application. **Avoid repeated freeze/thaw cycles.**

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com





Mouse 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. Mouse FGF-basic is predicted to have a MW of 16.5 kDa.

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

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