Recombinant Human / Mouse FGF-8

Catalog No.	CRH302A	**Quantity:**	5 µg
	CRH302B		100 µg
	CRH302C		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: *E. coli*

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

Biological Activity: $ED_{50} \leq 150$ ng/ml, determined by the ability to induce proliferation of mouse 3T3 cells

Specific Activity: $\geq 6.7 \times 10^3$ U/mg.

Amino Acid Sequence: MQVTVQSSPN FTQHVREQSL VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD PFAKLIVETD TFGSRVRVRGAETGLYICMN KKGKLIAKSN GKGKDCVFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK GSKTRQHQRE VHFMKRLPRG HHTTEQSLRFEFLNYPPFTR SLRGSQRTWA PEPR

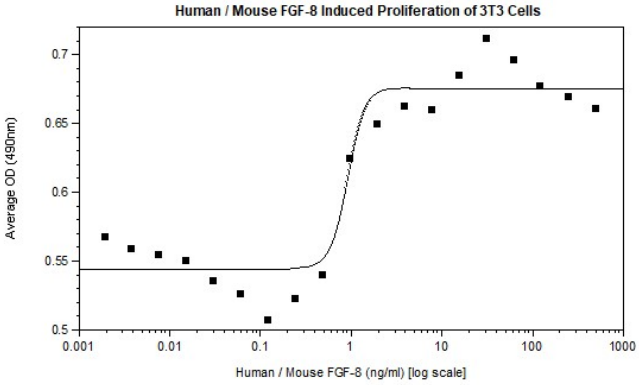
Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipet solution up and down sides of vial. **DO NOT VORTEX**. Allow several minutes for reconstitution. Should a small amount of precipitate may be seen, centrifuge the solution thoroughly and use only the soluble portion. There is a 10% overfill to compensate for any loss of protein in the precipitate.

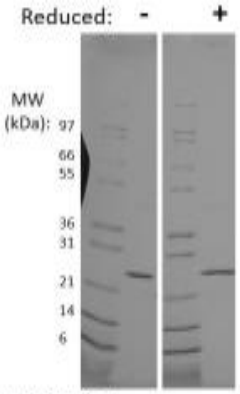
Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

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

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

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.

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