

Rat FGF-acidic / FGF-1

Synonyms: Fibroblast growth factor 1, FGF-1, Acidic fibroblast growth factor, aFGF, binding growth factor 1, HBGF-1, Fgf1, Fgfa, HBGF1.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
10 µg	1360.970.010		
50 µg	1360.970.050		
200 µg	1360.970.200		
1 mg	1360.970.199		

Please enquire for bulk quantities and other vial sizes

Description

Fibroblast Growth Factor-acidic Rat Recombinant (FGF-1) produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 141 amino acids and having a molecular mass of 15.9 kDa.

- **Biological Activity** ≥ 5 x 10⁶IU/mg
- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized at a concentration of 1 mg/ml in 5mM Na₂PO₄, pH-7.5 and 50mM NaCl*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ as determined by the dose-dependent proliferation of mouse BALB/c 3T3 cells, is less than 0.2ng/ml corresponding to a Specific Activity of 5x10⁶IU/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Fibroblast Growth Factor-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-a should be stored at 4°C between 2-7 days and for future use below -18°C. **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MFNLPLGNYK KPKLLYCSNG GHFLRILPDG TVDGTDRSD QHIQLQLSAE SAGEVYIKGT ETGQYLAMDT
 EGLLYGSQTP NEECLFLERL EENHYNTYTS KKHAEKNWFV GLKKNQSKR GPRTHYGQKA ILFLPLPVSS
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Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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