

Recombinant Murine FGF-1

CATALOG #:	4035-10	10 µg
	4035-50	50 µg
	4035-100	100 µg
	4035-1000	1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of FGF-1.

MOL. WEIGHT: 15.9 kDa

FORM: Lyophilized from 1 mg/ml solution of 5 mM NaP, pH 7.5 +
75 mM NaCl.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or –20°C for future use. Repeated freeze/thaw cycles will result in some loss of activity.

STORAGE CONDITIONS:

The lyophilized FGF-1 is best-stored desiccated below 0°C. Reconstituted FGF-1 should be stored at -20°C in working aliquots. For long term storage it is recommended to add a carrier protein (e.g., 0.1% BSA).

DESCRIPTION:

FGF-1 is an acidic heparin binding growth factor that stimulates the proliferation of a wide variety of cells including mesenchymal, neuroectodermal and endothelial cells. Recombinant murine FGF-1 is a 15.9 kDa protein containing 141 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by 3T3 cells in the presence of heparin is 0.5 ng/ml, corresponding to a specific activity of >2 x 10⁵ units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.

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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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