

## Recombinant Rat FGF-2

**CATALOG #:** 4039-10 10 µg  
4039-50 50 µg  
4039-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >97% by SDS-PAGE and HPLC analyses  
Endotoxin level is <0.1 ng per µg of FGF-2.

**MOL. WEIGHT:** 16.3 kDa

**FORM:** Lyophilized from 1 mg/ml solution after extensive dialysis against 20 mM phosphate buffer, pH 7.4 and 130 mM NaCl.

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile water to 0.1–1 mg/ml. The solution can then further diluted to other aqueous solutions.

### STORAGE CONDITIONS:

The lyophilized FGF-2 is best-stored desiccated below 0°C. Reconstituted FGF-2 should be stored at working aliquots at –20°C.

### DESCRIPTION:

FGF-2 is a basic heparin binding growth factor that stimulates the proliferation of a wide variety of cells including mesenchymal, neuroectodermal and endothelial cells. The recombinant rat FGF-2 is a single, non-glycosylated chain containing 145 amino acids and having a molecular weight of 16.3 kDa.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub>, calculated by the dose-dependant proliferation of BALB/3T3 cells is ≤0.2 ng/ml, corresponding to a specific activity of 5x10<sup>6</sup> IU/mg.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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