

Recombinant Rat FGF-2/FGF-basic

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 ED₅₀, calculated by the dose-dependant proliferation of BALB/3T3 cells is ≤0.2 ng/ml, corresponding to a specific activity of 5x10⁶ IU/mg.

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