

## Recombinant Human FGF-2

CATALOG #:	4037-10	10 µg
	4037-50	50 µg
	4037-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE Endotoxin level is <0.1 ng per µg of FGF-2.	
MOL. WEIGHT:	17.2 kDa	
FORM:	Lyophilized from a 1 mg/ml solution of 5 mM Tris pH 7.6 + 150 mM NaCl	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 5 mM Tris, pH 7.6 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-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 human FGF-2 is a 17.2 kDa protein containing 154 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is ≤0.5 ng/ml, corresponding to a specific activity of ≥2 x 10<sup>6</sup> units/mg.

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

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

#### Molecular Biology & Reporter Assays

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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies