

Recombinant Human FGF-2

CATALOG #:	4037-50	50 µg
	4037-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE and HPLC analyses 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 ED₅₀ 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 10⁶ units/mg.

USAGE: For research use only! Not to be used in human.

RELATED PRODUCTS:

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

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

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