

Recombinant Rat FGF-9

CATALOG #:	4058-10	10 µg
	4058-50	50 µg
	4058-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE and HPLC Endotoxin level (by LAL analysis) < 0.01 ng/µg (< 0.1EU/µg)	
MOL. WEIGHT:	23.3 kDa	
FORM:	Lyophilized from 10 mM Tris, pH 7.8 + Ammonium Sulfate.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 10 mM Tris (pH 8.0) to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and store at 4°C for 1 week or stored at -20°C for future use.

STORAGE CONDITIONS:

The lyophilized FGF-9 is best-stored desiccated below 0°C. Reconstituted FGF-9 should be stored at 4°C or lyophilized at working aliquots. Repeated freeze/thaw cycles will result in some loss of activity. For long term storage it is recommended to add a carrier protein (e.g., 0.1% BSA).

DESCRIPTION:

FGF-9 (also known as Glial Activating Factor) is a heparin binding growth factor that stimulates the proliferation and activation of glial cells and other cells that express FGF receptors. The rat FGF-9 is a 23.3 kDa protein containing 205 amino acid residues.

BIOLOGICAL ACTIVITY:

The recombinant rat FGF-9 is fully biologically active when compared to standards. The ED₅₀, determined by the dose-dependent proliferation of BAF3 cells expressing FGF receptors is <0.5 ng/ml.

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

- siRNA Vectors
- 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