

## Recombinant Rat FGF-9

<b>CATALOG #:</b>	4058-10	10 µg
	4058-50	50 µg
	4058-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>95% by SDS-PAGE and HPLC Endotoxin level (by LAL analysis) < 0.01 ng/µg (< 0.1EU/µg)	
<b>MOL. WEIGHT:</b>	23.3 kDa	
<b>FORM:</b>	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 ED<sub>50</sub>, 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.**

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