

## Rat FGF-9

Synonyms: GAF (Glia-activating factor), HBGF-9, MGC119914, MGC119915, FGF-9.

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
2 µg	1378.970.002		
10 µg	1378.970.010		
1 mg	1378.970.199		

Please enquire for bulk quantities and other vial sizes

### Description

Rat FGF9 Recombinant produced in *E. Coli* is a single, non-glycosylated, polypeptide chain containing 207 amino acids and having a molecular mass of 23.3kDa.

- **Biological Activity** ≥ 2 x 10<sup>6</sup> units/mg
- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The FGF-9 was lyophilized from a concentrated (1mg/ml) sterile solution containing 10mM NaP, pH-7.5 &, 75mM Ammonium Sulfate\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

The ED<sub>50</sub>, calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by 3H-thymidine uptake) is <0.5 ng/ml, corresponding to a specific activity of 2,000,000 Units/mg.

### Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

### Stability

Lyophilized Rat Fibroblast Growth Factor-9 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF9 Rat Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

MPLGEVGSYF GVQDAVPFGN VVPLPVDSPV LLNDHLGQSE AGGLPRGPAV TDL DHLKGIL RRRQLYCRTG  
 FHLEIFPNGT IQGTRKDHSR FGILEFISIA VGLVSIRGVD SGLYLG MNEK GELYGSEKLT QECVFREQFE  
 ENWYNTYSSN LYKHVDTGRR YYVALNKDGT PREGTRTKRH QKFTHFLPRP VDPDKVPELY KDILSQS

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING  
 Tel.: +49 40 43208448-0  
 order@active-bioscience.de  
 www.active-bioscience.de

TECHNICAL SUPPORT  
 Tel.: +49 40 43208448-11  
 support@active-bioscience.de

Active Bioscience GmbH  
 Oberaltenallee 8  
 D-22081 Hamburg  
 HRB 98170 Amtsgericht Hamburg