

# Rat FGF 9 Recombinant Protein



RPPB0223

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## Product Information    Protein Information

**Product SKU:**

RPPB0223

**Accession:**

P36364

**Host:**

Escherichia Coli.

**Protein 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. The FGF-9 Mouse Recombinant is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

The FGF-9 was lyophilized from a concentrated (1mg/ml) sterile solution containing 10mM NaP, pH-7.5 &, 75mM Ammonium Sulfate.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Rat FGF-9 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

**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 prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MPLGEVGSYFG VQDAVPFGNV PVLVDPSPVL LNDHLGQSEA GGLPRGPAVT DLDHLKGILR RRQLYCRTGF  
HLEIFPNGTI QGTRKDHSRF GILEFISIAV GLVSIRGVDS GLYLMNEKG ELYGSEKLTQ ECVFREQFEE  
NWNWNTYSSNL YKHVDTGRRY YVALNKDGTG REGTRTRKRHQ KFTHFLRPV DPKVPELYK DILSQS.

**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.