

## Active Recombinant Rat Fgf9 protein

Cat. No. Fgf9-112R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Fgf9 protein(P36364)(4-208 aa) was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	4-208 aa
<b>Form</b>	Lyophilized from a 0.2 µ filtered concentrated solution in 20 mM Tris, 400 mM NaCl, pH 8.0.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5 ng/ml, corresponding to a specific activity of > 2.0 × 10 <sup>6</sup> IU/mg.
<b>Molecular Mass</b>	Approximately 23.1 kDa, a single non-glycosylated polypeptide chain containing 205 amino acids.
<b>AASequence</b>	LGEVGSYFGV QDAVPFGNVP VLPVDSPVLL SDHLGQSEAG GLPRGPAVTD LDHLKGILRR RQLYCRTGFH LEIFPNGTIQ GTRKDHSRFG ILEFISIAVG LVSIRGVDSG LYLGMNEKGE LYGSEKLTQE CVFREQFEEN WYNTYSSNLY KHVDTGRRYY VALNKDGTTPR EGTRTKRHQK FTHFLPRPVD PDKVPELYKD ILSQS
<b>Endotoxin</b>	Less than 1 EU/g of rRtFGF-9 as determined by LAL method.

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<b>Purity</b>	> 95 % by SDS-PAGE and HPLC analyses.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## GENE INFORMATION

<b>Gene Name</b>	Fgf9 fibroblast growth factor 9 [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	Fgf9
<b>Synonyms</b>	FGF9; fibroblast growth factor 9; GAF; FGF-9; HBGF-9; glia-activating factor;
<b>Gene ID</b>	25444
<b>mRNA Refseq</b>	NM_012952
<b>Protein Refseq</b>	NP_037084

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