

Active Recombinant Rat Fgf9 protein

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

SPECIFICATION

Product Overview	Recombinant Rat Fgf9 protein(P36364)(4-208 aa) was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	4-208 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in 20 mM Tris, 400 mM NaCl, pH 8.0.
Bio-activity	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 $> 2.0 \times 10^6$ IU/mg.
Molecular Mass	Approximately 23.1 kDa, a single non-glycosylated polypeptide chain containing 205 amino acids.
AASequence	LGEVGSYFGV QDAVPFGNVP VLPVDSPVLL SDHLGQSEAG GLPRGPAVTD LDHLKGILRR RQLYCRTGFH LEIFPNGTIQ GTRKDHSRFG ILEFISIAVG LVSIRGVDSG LYLGMNEKGE LYGSEKLTQE CVFREQFEEN WYNTYSSNLY KHVDTGRRYY VALNKDGTTPR EGTRTKRHQK FTHFLPRPVD PDKVPELYKD ILSQS
Endotoxin	Less than 1 EU/g of rRtFGF-9 as determined by LAL method.

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Purity	> 95 % by SDS-PAGE and HPLC analyses.
Storage	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.
Reconstitution	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	
Gene Name	Fgf9 fibroblast growth factor 9 [<i>Rattus norvegicus</i>]
Official Symbol	Fgf9
Synonyms	FGF9; fibroblast growth factor 9; GAF; FGF-9; HBGF-9; glia-activating factor;
Gene ID	25444
mRNA Refseq	NM_012952
Protein Refseq	NP_037084
SDS-PAGE	