

## Recombinant Rat Fibroblast Growth Factor 9

Catalog No: #AP60247

Package Size: #AP60247-1 5ug #AP60247-2 100ug #AP60247-3 500ug

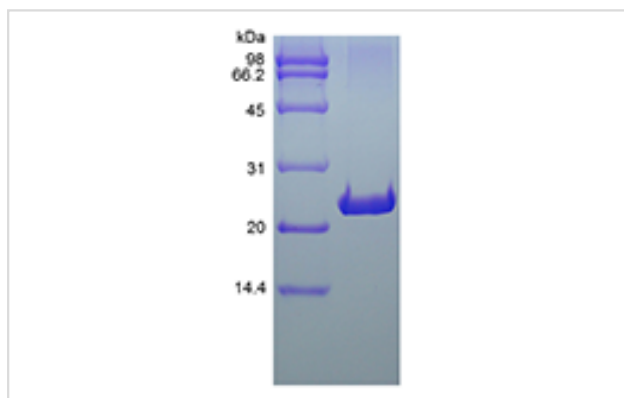
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## Description

Product Name	Recombinant Rat Fibroblast Growth Factor 9
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	GAF, Glia-activating factor, HBGF-9
Uniprot	P36364
GeneID	25444
Calculated MW	Approximately 23.1 kDa, a single non-glycosylated polypeptide chain containing 205 amino acids.
Target Sequence	LGEVGSYFGV QDAVPFGNVP VLPVDSPVLL SDHLGQSEAG GLPRGPAVTD LDHLKGILRR RQLYCRTGFH LEIFPNGTIQ GTRKDHSRFG ILEFISIAVG LVSIRGVDSG LYLGMNEKGE LYGSEKLTQE CVFREQFEEN WYNTYSSNLY KHVDTGRRYY VALNKDGTTPR EGTRTKRHQK FTHFLPRPVD PDKVPELYKD ILSQS
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris, 400 mM NaCl, pH 8.0.
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.

## Images



## Background

Fibroblast growth factor-9 (FGF-9) is a member of the fibroblast growth factor (FGF) family. All FGF family members are heparin binding growth factors with a core 120 amino acid (a.a.) FGF domain that allows for a common tertiary structure. FGF-9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. FGF-9 is a monomer and interacts with FGFR1, FGFR2, FGFR3 and FGFR4. The rat FGF-9 shares 98 % a.a. sequence identity with human FGF-9.

Note: This product is for in vitro research use only