

## FGF-9, Mouse

**Cat. No.:** Z03120-10

**Size:** 10.0 ug

**Synonyms:** Growth Factor-9, GAF (Glia-activating factor), HBGF-9

### Description:

Fibroblast Growth Factor-9 (FGF-9), also known as Glia-activating factor (GAF) and HBGF-9, belongs to the heparin-binding growth factors family. It is a secreted protein that exists as monomer or homodimer. It interacts with FGFR-1, FGFR-2, FGFR-3, and FGFR-4 and plays an important role in regulating cell proliferation, differentiation and migration. It is reported that FGF-9 may be involved in glial cell growth and differentiation during development, gliosis during brain tissue regeneration, and glial tumor growth stimulation. Other reports indicate that FGF-9 plays a role in male development.

### Amino Acid Sequence:

00001 LGEVGNVYFGV QDAVPFGNVP VLPVDSPLLL SDHLGQSEAG  
00041 GLPRGPAVTD LDHLKGILRR RQLYCRTGFH LEIFPNGTIQ  
00081 GTRKDHSRFG ILEFISIAVG LVSIRGVDSG LYLGMNEKGE  
00121 LYGSEKLTQE CVFREQFEEN WYNTYSSNLY KHVDTGRRYY  
00161 VALNKDGTPR EGTRTKRHQK FTHFLRPVD PDKVPELYKD  
00201 ILSQS

**Source:** CHO

**Species:** Mouse

**Biological Activity:** ED<sub>50</sub> < 2ng/ml, measured in a cell proliferation assay using 3T3 cells.

**Molecular Weight:** 28 kDa, observed by reducing SDS-PAGE.

**Formulation:** Lyophilized after extensive dialysis against PBS.

**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

**Purity:** > 95% as analyzed by SDS-PAGE and HPLC.

**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.

**Storage:** Lyophilized recombinant Murine Fibroblast Growth Factor-9 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Murine Fibroblast Growth Factor-9 should be stable up to 1 week at 4°C or up to 2 months at -20°C.