

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant FGF-9, Mouse

Catalog Number: BK0201-50µg

Source: CHO

Quantity: 50µg

### 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.

### Molecular Weight:

~28 kDa, observed by reducing SDS-PAGE.

### Purity:

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

### Biological Activity:

ED50 < 2ng/ml, measured in a cell proliferation assay using 3T3 cells.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

LGEVGNVYFGVQDAVDFGNVPLPVD-  
SPVLLSDHLGQSEAGGLPRGPAVTDLDHLKGIL-  
RRRQLYCRTGFHLEIFPNGTIQGTRK-  
DHSRFGILEFISIAVGLVSIRGVDSGLYL-  
GMNEKGELYGSEKLTQECVFREQFEEN-  
WYNTYSSNLYKHVDTGRRYYVAL-  
NKDGTREGTRTKRHQKFTH-  
FLPRVDPDKVPELYKDILSQS

### Endotoxin:

< 0.2 EU/µg, determined by LAL method.

### Reconstitution:

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

### Storage:

Lyophilized recombinant Murine Fibroblast Growth Factor-9 remains stable up to 6 months at -80 °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.

### Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.