# PRODUCT DATA SHEET

Bioworld Technology,Inc.

## Recombinant FGF-9, Mouse

Catalog Number: BK0201-1mg Source: CHO Quantity: 1mg

**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:**

LGEVGNYFGVQDAVPFGNVPVLPVD-
SPVLLSDHLGQSEAGGLPRGPAVTDLDHLKGIL-
RRRQLYCRTGFHLEIFPNGTIQGTRK-
DHSRFGILEFISIAVGLVSIRGVDSGLYL-
GMNEKGELYGSEKLTQECVFREQFEEN-
WYNTYSSNLYKHVDTGRRYYVAL-
NKDGTPREGTRTKRHQKFTH-
FLPRPVDPDKVPELYKDILSQS

**Endotoxin:**

< 0.2 EU/μg, determined by LAL method.

**Reconstitution:**

Reconstituted in ddH2O or PBS at 100 μg/ml.

**Storage:**

Lyophilized recombinant Murine Fibroblast Growth Factor-9 remains stable up to 6 months at -80℃ from date of receipt. Upon reconstitution, Murine Fibroblast Growth Factor-9should be stable up to 1 week at 4℃ or up to 2 months at -20℃.

**Usage:**

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

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park,MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046, P, R.China.
Email: info@biogot.com
Tel: 0086-025-86371664 Fax:0086-025-86213570