# PRODUCT DATA SHEET

Bioworld Technology,Inc.

## Recombinant FGF-9, Mouse

Catalog Number: BK0201-10μg Source: CHO Quantity: 10μg

**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.

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