

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### Recombinant Murine Glia maturation factor beta

□rMuGMF-β□

Catalog Number: PR2016

Source: Escherichia coli.

Quantity: 2μg/10μg/1.0mg

#### Description

Glia maturation factor beta (GMF-β) coded by GMFb gene at chromosome 14 in mouse, is identical to human GMF-β, with the exception of two amino acid residues. It is a brain-specific protein that belongs to the actin-binding proteins (ADF) structural family, and plays an important role in the upstream regulation of excessive production and the releasing of proinflammatory cytokines/chemokines in brain cells, leading to the destruction of oligodendrocytes, the myelin forming cells, and neurons.

#### Molecular Weight:

Approximately 16.4 KDa, a single non-glycosylated polypeptide chain containing 141 amino acid residues.

#### Purity:

>97% by SDS-PAGE and HPLC analyses.

#### Biological Activity:

Data not available.

#### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

#### Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.

#### AA Sequence:

SESLVVCDVAEDLVEKLRKFRFRKETH  
NAAIIMKIDKDERLVVLDEELEGVSPD

ELKDELPERQPRFIVYSYKYQHDDGRV  
SYPLCFIFSSPVGCKPEQQMMYAGSKN  
KLVQTAELTKVFEIRNTEDLTEEWLRE  
KLGFFH

#### Endotoxin:

Less than 1EU/μg of rMuGMF-β as determined by LAL method.

#### Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

#### Storage:

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

#### Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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