

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human Glia Maturation Factor beta (rHuGMF-β)

Catalog Number: PR1033

Source: Escherichia coli.

Quantity: 2μg/10μg/1.0mg

Description

GMF-β, a brain-specific protein that belongs to the actin-binding proteins (ADF) structural family. GMF-β appears to play a role in the differentiation, maintenance, and regeneration of the nervous system. It also supports the progression of certain auto-immune diseases, possibly through its ability to induce the production and secretion of various pro-inflammatory cytokines.

Molecular Weight:

Approximately 16.5 KDa, a single non-glycosylated polypeptide chain containing 141 amino acids.

Purity:

>98% by SDS-PAGE and HPLC analyses.

Biological Activity:

Data Not Available.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2μm filtered concentrated solution in 20mM PB, pH 7.4, 130mM NaCl.

AA Sequence:

SESLVVCDAEDLVEKLRKFRFRKETN
NAAIIMKIDKDKRLVVLDEELEGISPDE
LKDELPERQPRFIVYSYKYQHDDGRVS

YPLCFIFSSPVGCKPEQQMMYAGSKNK
LVQTAELTKVFEIRNTEDLTEEWLREK
LGFH

Endotoxin:

Less than 1EU/μg of rHuGMF-b 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

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