



## Technical Data Sheet

### Recombinant Human Glia Maturation Factor beta (rHu GMF- $\beta$ )

#### *Human Glia Maturation Factor beta*

GMF- $\beta$ , a brain-specific protein that belongs to the actin-binding proteins (ADF) structural family. GMF- $\beta$  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.

Catalog Number:	RC218-18
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 16.5 KDa, a single non-glycosylated polypeptide chain containing 141 amino acids.
Quantity:	2ug/10ug/1mg
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 0.2 $\mu$ m filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 130mM NaCl.
AA Sequence:	SESLVVCDAEDLVEKLRKFRFRKETNNAIIMKIDKDKRLVVLDEELEGISPDELKDELPERQPR FIVYSYKYQHDDGRVSYPLCFIFSSPVGCKPEQOMMYAGSKNKLVT AELTKVFEIRNT EDLTEEWLREKLGFFH
Endotoxin:	Less than 1EU/ $\mu$ g 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 $\leq$ -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 Bio Basic Inc. for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.