

Recombinant Murine Glia Maturation Factor beta

#R00274

Size: 10 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution.

- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

The glia maturation factor beta belongs to the actin-binding proteins ADF family, GMF subfamily. It contains an ADF-H domain, but the research of crystallography and NMR reveals that there are structures different between human and mouse ADF-H domain. GMF-β is involved in the differentiation, maintenance, and regeneration of the nervous system. It also inhibition of proliferation of tumor cells.

AA Sequence

SESLVVCDAEDLVEKLRKFRFRKETHNAAIIMKIDKD
ERLVLDEELEGVSPDELKDELPERQPRFIVYSYKYQ
HDDGRVSYPLCFIFSSPVGCKPEQQMMYAGSKNKL
VQTAELTKVFEIRNTEDLTEEWLREKLGFFH

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.

Product Specification

Synonyms	GMFB
Accession	Q9CQI3
GeneID	63985
Species	Murine
Source	Escherichia coli.
Molecular Weight	Approximately 16.6 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 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 1 EU/µg of rMuGMF-β as determined by LAL method.