

## Recombinant Rat Gmfb protein

**Cat. No.** Gmfb-593R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Gmfb protein was expressed in Escherichia coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	141
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.
<b>Molecular Mass</b>	Approximately 16.6 kDa, a single non-glycosylated polypeptide chain containing 141 amino acids.
<b>AA Sequence</b>	SESLVVCDVAEDLVEKLRKFRFRKETHNAAIIMKIDKDKRLVVLDEELEGVSPDELKD ELPERQPRFIVYSYKYQHDDGRVSYPLCFIFSSPLGCKPEQQMMYAGSKNKLVTQA ELTKVFEIRNTEDLTEEWLREKLGFFH
<b>Endotoxin</b>	Less than 1 EU/μg of rRtGMF-β as determined by LAL method.

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<b>Purity</b>	>98% by SDS-PAGE and HPLC analysis.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
<b>Reconstitution</b>	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 centigrade. Further dilutions should be made in appropriate buffered solutions.

## GENE INFORMATION

<b>Gene Name</b>	Gmfb
<b>Official Symbol</b>	Gmfb
<b>Synonyms</b>	GMFB; glia maturation factor, beta; glia maturation factor beta; GMF-beta; DNA for thyroid hormone receptor binding site (276bp); MGC93372;
<b>Gene ID</b>	81661
<b>mRNA Refseq</b>	NM_031032
<b>Protein Refseq</b>	NP_112294
<b>UniProt ID</b>	Q63228

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