

Recombinant Rat Gmfb protein

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

SPECIFICATION

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

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Purity	>98% by SDS-PAGE and HPLC analysis.
Storage	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.
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 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

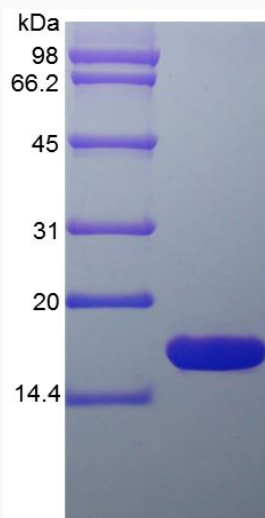
Gene Name	Gmfb
Official Symbol	Gmfb
Synonyms	GMFB; glia maturation factor, beta; glia maturation factor beta; GMF-beta; DNA for thyroid hormone receptor binding site (276bp); MGC93372;
Gene ID	81661
mRNA Refseq	NM_031032
Protein Refseq	NP_112294
UniProt ID	Q63228

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**SDS-PAGE of Gmfb-
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