Recombinant Rat Gmfb Protein (141 aa)

Cat. No. Gmfb-034G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gmfb Protein without tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	141
Description	Glia maturation factor beta(GMF-β) coded by GMFb gene at chromosome 14 in mouse, is identical to human GMF-β, with the exception of two amino acid residues. It is a brain-specific protein that belongs to the actin-binding proteins (ADF) structural family, and plays an important role in the upstream regulation of excessive production and the releasing of proinflammatory cytokines/chemokines in brain cells, leading to the destruction of oligodendrocytes, the myelin forming cells, and neurons.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Data not available.
Molecular Mass	Approximately 16.4 KDa, a single non-glycosylated polypeptide chain containing 141 amino acid residues.
AA Sequence	SESLVVCDVAEDLVEKLRKFRFRKETHNAAIIMKIDKDERLVVLDEELEGVSPDELKD ELPERQPRFIVYSYKYQHDDGRVSYPLCFIFSSPVGCKPEQQMMYAGSKNKLVQTA ELTKVFEIRNTEDLTEEWLREKLGFFH

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1 EU/μg of rMuGMF-β as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.
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 glia maturation factor, beta [Rattus norvegicus]
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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_112294
UniProt ID	Q63228

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA