

## Recombinant Mouse GMF-beta

<b>Catalog No.</b>	CRG137A	<b>Quantity:</b>	2 µg
	CRG137B		10 µg
	CRG137C		1.0 mg

**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.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Source:** *E. coli*

**Molecular Weight:** 16.4 kDa

**Formulation:** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Purity:** >97% by SDS-PAGE and HPLC analyses.

**Endotoxin Level:** Less than 1 EU/µg of rMuGMF-β as determined by LAL method.

**Biological Activity:** Data not available.

**Amino Acid Sequence:** SESLVVCDVA EDLVEKLRKF RFRKETHNAA IIMKIDKDER LVLDEELEG VSPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS SPVGCKPEQQ MMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H

**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. The optimal concentration should be determined by the user for each specific application.

**Storage & Stability:** 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 -80°C. **Avoid repeated freeze/thaw cycles**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

