

DATASHEET
Version 20181206**GMF- β , Mouse****Cat. No.:** Z02893-1**Size:** 1.0 mg**Synonyms:** GMF- β , Murine;**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.

Amino Acid Sequence:

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00001 SESLVVCDVA EDLVEKLRKF RFRKETHNAA IIMKIDKDER
00041 LVLVDEELEG VSPDELKDEL PERQPRFIVY SYKYQHDDGR
00081 VSYPLCFIFS SPVGCKPEQQ MMYAGSKNKL VQTAELTKVF
00121 EIRNTEDLTE EWLREKLGFF H
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Source: *E. coli***Species:** Mouse**Molecular Weight:** Approximately 16.6 kDa, a single non-glycosylated polypeptide chain containing 141 amino acid residues.**Formulation:** Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.**Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.**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 $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.**Purity:** > 97 % by SDS-PAGE and HPLC analyses.**Endotoxin Level:** Less than 1 EU/ μ g of rMuGMF- β as determined by LAL method.**Storage:** This lyophilized preparation is stable at 2-8 $^{\circ}\text{C}$, 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 $^{\circ}\text{C}$. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C . Avoid repeated freeze/thaw cycles.