DATASHEET
Version 20181206

GMF-β, Mouse

Cat. No.: Z02893-10

Size: 10.0 ug

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 LVVLDEELEG 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 μm 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 ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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

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

Storage: 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 -70 °C. Avoid repeated freeze/thaw cycles.

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