DATASHEET
Version 20181206

GMF-β, Human

Cat. No.: Z02744-10

Size: 10.0 ug

Synonyms: Glia Maturation Factor-beta (GMF-β), Human

Description:

GMF-ß, a brain-specific protein that belongs to the actin-binding proteins (ADF) structural family. GMF-ß appears to play a role in the differentiation, maintenance, and regeneration of the nervous system. It also supports the progression of certain auto-immune diseases, possibly through its ability to induce the production and secretion of various pro-inflammatory cytokines.

Amino Acid Sequence:

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00001 SESLVVCDVA EDLVEKLRKF RFRKETNNAA IIMKIDKDKR
00041 LVVLDEELEG ISPDELKDEL PERQPRFIVY SYKYQHDDGR
00081 VSYPLCFIFS SPVGCKPEQQ MMYAGSKNKL VQTAELTKVF
00121 EIRNTEDLTE EWLREKLGFF H
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Source: *E. coli*

Species: Human

Molecular Weight: Approximately 16.6 kDa, a single non-glycosylated polypeptide chain containing 141 amino acids.

Formulation: Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.4, 130 mM NaCl.

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: > 98 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/μg of rHuGMF-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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