Product Datasheet

Recombinant Murine Glia maturation factor beta (rMuGMF-β) (orb1495013)

Catalog Number	orb1495013
Category	Proteins
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/Appearance	Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.
Buffer/Preservatives	Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.
Purity	>97% by SDS-PAGE and HPLC analyses.
Purification	>97% by SDS-PAGE and HPLC analyses.
Protein Sequence	SESLVVCDVA EDLVEKLRKF RFRKETHNAA IIMKIDKDER LVVLDEELEG VSPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS SPVGCKPEQQ MMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H
MW	Approximately 16.4 KDa, a single non-glycosylated polypeptide chain containing 141 amino acid residues.
Application notes	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.

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Endotoxins	Less than 1EU/μg of rMuGMF-β as determined by LAL method.
Source	Escherichia coli.
Biological Activity	Data not available.
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.
Note	For research use only
Expiration Date	6 months from date of receipt.

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