

Gmfb

Recombinant Rat Glia Maturation Factor beta

Catalog No.	CS277A CS277B CS277C	Quantity:	2 µg 10 µg 1 mg
Alternate Names:	GMF-beta, Glia maturation factor beta		
Description:	Glia Maturation Factor beta (GMF-β), a brain-specific protein that belongs to the actin-binding proteins (ADF) structural family. GMF-β 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 proinflammatory cytokines.		
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.		
Gene ID:	81661		
Source:	<i>E. coli</i>		
Molecular Weight:	Approximately 16.5 KDa, a single non-glycosylated polypeptide chain containing 141 amino acids.		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.		
Purity:	>98% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg of Recombinat Rat GMF-β as determined by LAL method.		
Biological Activity:	Data is not available.		
Amino Acid Sequence:	SESLVVCDVA EDLVEKLRKF RFRKETNNAA IIMKIDKDKR LVLDEELEG ISPDELKDEL 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.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°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.



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