GMFB
Recombinant Human Glia Maturation Factor Beta

Catalog No.	CSI20124A	**Quantity:**	2 µg
	CSI20124B		10 µg
	CSI20124C		1.0 mg

Alternate Names: Glia Maturation Factor beta

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

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Gene ID: 2764

Source: *E. coli*

Molecular Weight: Approximately 16.5 KDa, a single non-glycosylated polypeptide chain containing 141 amino acids.

Formulation: Lyophilized from a sterile filtered solution of 20 mM PBS, pH 7.4 + 130 mM NaCl.

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

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

Biological Activity: Data Not Available.

Amino Acid Sequence: SESLVVCDVA EDLVEKLRKF RFRKETNNAA IIMKIDKDKR LVVLDEELEG ISPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS SPVGCKPEQQ MMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. 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.**

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