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GMF-β

Catalog # PVGS1413

Product Information

Primary Accession	P60983
Species	Human
Sequence	Met1-His142
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	
Expression System	E. coli
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O up to 100 □g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	2764
Other Names	Glia maturation factor beta, GMF-beta, GMFB
Target Background	Glia Maturation Factor beta (GMF-beta) is a 17 kDa brain specific protein that belongs to the ADF/cofilin superfamily. It is a neurotrophin that induces maturation of neurons and glial cells. Unlike other neurotrophins, GMF-β lacks a leader sequence and can be phosphorylated by protein kinase A and protein kinase C suggesting its role in signal transduction. GMF-β is a prominent mediator of inflammation in the central nervous system and can activate several inflammation-related genes such as tumor necrosis factor-α and interleukin-1β. Researchers have shown there are significantly higher levels of GMF-β protein in all the effected regions of Alzheimer's disease (AD) brains suggesting an important role of GMF-β in AD pathogenesis.

Protein Information

Name	GMFB

Function	This protein causes differentiation of brain cells, stimulation of neural regeneration, and inhibition of proliferation of tumor cells.

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