

GMF- β

Catalog # PVGS1413

Product Information

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| Primary Accession Species | P60983 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 ₂ O up to 100 μ 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

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| 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-1 β . 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

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| Name | GMFB |
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Function

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.