10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GMFB
Catalog # PVGS1651

Specification

GMFB - Product Information

Primary Accession P60983
Species
Human

Sequence
Met1-His142

Purity
> 95% as analyzed by SDS-PAGE

Endotoxin Level
< 1 EU/ µg of protein by LAL method

Expression System
E. coli

Formulation **Lyophilized from a 0.2 µm filtered solution in 20 mM Tris, 200 mM NaCl, pH 8.0.**

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 distilled water up to 100 µg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4-7°C and up to 3 months at -20 °C or below. Avoid repeated freeze-thaw cycles.

GMFB - Additional Information

Gene ID 2764

Other Names
Glia maturation factor beta, GMF-beta, GMFB

Target Background
Glia maturation factor beta (GMFB) contains an ADF-H domain which is a member of the actin-binding proteins ADF family, GMF subfamily. It is a nerve growth factor implicated in nervous system development, angiogenesis, and immune function. GMFB causes differentiation of brain cells, stimulation of neural regeneration, and inhibition of proliferation of tumor cells. It is phosphorylated after phorbol ester stimulation and is crucial for the nervous system. GMFB overexpression in astrocytes results in the increase of BDNF production. GMFB expression is increased by exercise, thus BDNF is important for exercise-induction of BDNF.

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GMFB - Protein Information

Name GMFB

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

GMFB - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GMFB - Images