

GMFB Mouse

Description: Glia Maturation Factor-Beta (GMF-Beta) Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 141 amino acids and having a total molecular mass of 16.6kDa. GMF-Beta, Mouse Recombinant is purified by proprietary chromatographic techniques.

Catalog #: CYP5-013

For research use only.

Synonyms: Glia maturation factor beta, GMFB, GMF-B, GMF-beta, GMF, C79176, A1851627, D14Ertd630e, 3110001H22Rik, 3110001O16Rik.

Source: Escherichia Coli.

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

Amino Acid Sequence: SESLVVCDVA EDLVEKLRKF RFRKETHNAA IIMKIDKDER
LVVLDEELEGVSPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS
SPVGCKPEQQMMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H.

Purity: Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

The GMF-beta protein was lyophilized from a 0.2

Stability:

Lyophilized GMF-B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GMF-beta should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized GMFB in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Introduction:

GMFB is part of the GMF subfamily of the larger actin-binding protein ADF family. GMFB is phosphorylated after phorbol ester stimulation, and is crucial for the nervous system. GMFB causes brain cell differentiation, stimulates neural regeneration and inhibits tumor cell proliferation. 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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