



Glia Maturation Factor Beta, His Tag, human recombinant (rHuGMFb-His)

Catalog No: 97371
Lot No: XXXXX
Source: *E. coli*
Synonyms: GMF, GMF beta

Background

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.

Description

Glia Maturation Factor-Beta (GMF-Beta) human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 162 amino acids (1-142) and having a total molecular mass of 18.8 kDa. GMFB is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless clear solution.

Formulation

The GMFB 1 mg/ml protein solution contains 20 mM Tris-HCl pH 8, 1 mM DTT, 0.1 M NaCl and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MSELVVC DV AEDLVEKLRK FRFRKETNNA AIIMKIDKDK RLVVLDEELE GISPDELKDE
LPERQPRFIV YSYKYQHDDG RVSYP LCFIF SSPVGCKPEQ QMMYAGSKNK LVQTAELTKV FEIRNTEDLT EEWLREKLG F
FH

Usage

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