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GMFB His Human

Catalog #:CYPS-733

For research use only.

Description:GMFB Human Recombinant produced in E.Coli is a signle, non-glycosylated, polypeptide chain containing 162 amino acids (1-142 a.a.)and having a total molecular mass of 18.8 kDa. GMGB is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.

Synonyms:GMF, GMF beta.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MSESLVVCDV AEDLVEKLRK FRFRKETNNA AIIMKIDKDK RLVVLDEELE GISPDELKDE LPERQPRFIV YSYKYQHDDG RVSYPLCFIF SSPVGCKPEQ QMMYAGSKNK LVQTAELTKV FEIRNTEDLT EEWLREKLGF FH.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The GMFB 1mg/ml protein solution contains 20mM Tris-HCL pH-8, 1mM DTT, 0.1M 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.

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

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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