

---

## Product Data Sheet

---

Product Name: GMFB His Human  
 Cat. No.: GP20364  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GMF; GMF beta.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSELVVCDV AEDLVEKLRK FRFRKETNNA AIIMKIDKDK RLVVLDEELE GISPDELKDE LPERQPRFIV YSYKYQHDDG RVSYP LCFIF SSPVGCKPEQ QMMYAGSKNK LVQTAELTKV FEIRNTEDLT EEWLREKLG F H.		
Formulation	The GMFB 1mg/ml protein solution contains 20mM Tris-HCL pH-8, 1mM DTT, 0.1M NaCl and 10% Glycerol.		

### 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.

### 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.

### Background

GMFB Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 162 amino acids (1-142 a.a.) 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA