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## Product Data Sheet

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Product Name: GMFG Human  
 Cat. No.: GP20367  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Glia maturation factor gamma; GMF-gamma; GMFG; MGC126867.		
Amino Acid Sequence	MSDSLVVCEV DPELTEKLRK FRFRKETDNA AIIMKVDKDR QMVVLEEEFQ NISPEELKME LPERQPRFVV YSYKYVHDDG RVSYP LCFIF SSPVGCKPEQQMMYAGSKNR LVQTAELTKV FEIRTTDDLT EAWLQEKLSF FR.		
Formulation	The GMF-gamma protein contains 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA and 10% Glycerol.		

### Introduction

GMFG is a hematopoietic-specific protein that mediates the pluripotentiality and lineage commitment of human hematopoietic stem cells. Glia maturation factor gamma is a cytokine-responsive protein in EPO-induced and G-CSF-induced hematopoietic lineage development. Glia maturation factor also acts as a Nerve Growth Factor in nervous system development, angiogenesis and immune function. GMFG possesses hematopoietic tissue-specific gene expression, a promoter concentrated with high-score hematopoiesis-specific transcription factors, and molecular coevolution with a rudimentary blood/immune system.

### 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

Glia Maturation Factor-Gamma (GMF-Gamma) Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 142 amino acids and having a total molecular mass of 16.8 kDa. Glia Maturation Factor-Gamma, GMF-Gamma, Human Recombinant is purified by proprietary chromatographic techniques.

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

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