

Recombinant Human GMFG

CATALOG #:	4879-10 4879-1000	10 µg 1 mg
LOT #:	_____	
SYNONYMS:	Glia maturation factor gamma, GMF-gamma, GMFG, MGC126867	
SOURCE:	<i>E. coli</i>	
PURITY:	> 90 % by SDS-PAGE	
FORM:	Sterile Filtered colorless clear solution of GMF-gamma protein containing 20 mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA and 10 % Glycerol.	

STORAGE CONDITIONS:

Store the entire vial at 4°C if it will be used within 2-4 weeks. For longer periods, store frozen at -20°C. Avoid freeze/thaw cycles.

DESCRIPTION:

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. 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.

AMINO ACID SEQUENCE:

MSDSL VVCEVDP ELTEKL RFRFRK ETDNAA IIMKV DDKRQ MVVLEEE FQNI SPEELK MELPER
QPRFVVYSYKYVHDDGRVSYPLCFIFSSPVGCKPEQQMMYAGSKNRLVQTAELTKVFEIRTTD
DLTEAWLQEKL SFFR

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- Caspase Assay Kits & Reagents
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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
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- Akt & JNK Activity Assay Kits
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