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GMF-gamma, human recombinant protein

Glia maturation factor gamma, GMF-gamma, GMFG, MGC126867

Catalog # PBV10462r

Specification

GMF-gamma, human recombinant protein - Product info

Primary Accession	O60234
Calculated MW	**16.8 kDa KDa**

GMF-gamma, human recombinant protein - Additional Info

Gene ID	**9535**
Gene Symbol	**GMFG**

Other Names
Glia maturation factor gamma, GMF-gamma, GMFG, MGC126867

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥90%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**
Sequence	**MSDSLVVCEVDPELTEKLRKFRFRKETDNAAII MKVDKDRQMVVLEEEFQNISPEELKMELPERQ PRFVVYSYKYVHDDGRVSYPLCFIFSSPVGCKP EQQMMYAGSKNRLVQTAELTKVFEIRTTDDLTE AWLQEKLSFFR**

Format
Liquid

Storage
-20°C; Sterile Filtered colorless clear solution of GMF-gamma protein containing 20 mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA and 10 % Glycerol.

GMF-gamma, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GMF-gamma, human recombinant protein - Images

GMF-gamma, human recombinant protein - Background

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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.