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GMFG Human

Description: Glia Maturation Factor-Gamma (GMF-Gamma) Human Recombinant produced in E.Coli is a signle, 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.

Catalog #:CYPS-639

For research use only.

Synonyms: Glia maturation factor gamma, GMF-gamma, GMFG, MGC126867.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless clear solution.

Amino Acid Sequence:MSDSLVVCEV DPELTEKLRK FRFRKETDNA AIIMKVDKDR QMVVLEEEFQ NISPEELKME LPERQPRFVV YSYKYVHDDG RVSYPLCFIF SSPVGCKPEQQMMYAGSKNR LVQTAELTKV FEIRTTDDLT EAWLQEKLSF FR.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The GMF-gamma protein contains 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA 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:
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.

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