

Human Recombinant Glia Maturation Factor Gamma

CATALOG NUMBER: CGM-632-020P, 20 µg

Synonyms	Glia maturation factor gamma, GMFG, MGC126867.
Introduction	GMF-gamma 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.
Description	Human Glia Maturation Factor-gamma (GMF-gamma) produced in <i>E. coli</i> is a single, non-glycosylated, polypeptide chain containing 142 amino acids and having a total molecular mass of 16.8 kDa.
Source	<i>Escherichia coli</i>
Size	20 µg (1 mg/ml) in 20mM Tris-HCL pH-8, 1mM DTT, 1mM EDTA and 10% Glycerol
Purity	> 90% as determined by SDS-PAGE
Storage	Stable for 6-months from the date of shipment when kept at -20 °C or -70 °C. Upon reconstitution, it can be stored at 4 °C for at least one month or -20 °C for at least three months. Avoid repeated freeze-thaw cycles.
Usage	This product is produced for LABORATORY RESEARCH USE ONLY

Protein Sequence:

MSDSL VVCEV DPELTEKLRK FRFRKETDNA AIIMKVDKDR QMVVLEEEFQ NISPEELKME LPERQPRFVV
YSYKYVHDDG RVSYP LCFIF SSPVGCKPEQ QMMYAGSKNR LVQTAELTKV FEIRTTDDLT EAWLQEKLSF
FR

