

Recombinant human GMF-gamma protein

Catalog Number: GMF0905

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-142aa

UniProt No.

O60234

NCBI Accession No.

NP_004868

Alternative Names

Glia maturation factor gamma, Glia maturation factor, gamma, Glia maturation factor, gamma GMF GAMMA, MGC126867

PRODUCT SPECIFICATION

Molecular Weight

16.8 kDa (142aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 1mM EDTA, 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Glia maturation factor gamma (GMF-gamma) is a cytokine-responsive protein in erythropoietin-induced and granulocyte-colony stimulating factor-induced hematopoietic lineage development. Also Glia maturation factor is a nerve growth factor implicated in nervous system development, angiogenesis and immune function. GMF-

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gamma possesses hematopoietic tissue-specific gene expression, a promoter concentrated with high-score hematopoiesis-specific transcription factors, and possible molecular coevolution with a rudimentary blood/immune system. Recombinant human GMF-gamma protein, was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

MSDSLIVCEV DPETELKLRK FRFRKETDNA AIIMKVDKDR QMVVLEEEFQ NISPEELKME LPERQPRFVV YSYKYVHDDG
RVSYPICFIF SSPVGCKPEQ QMMYAGSKNR LVQTAELTKV FEIRTTDDLT EAWLQEKLSF FR

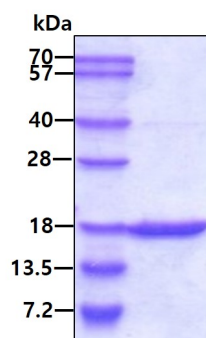
General References

Skinner MK., et al. (2008) Mol Reprod Dev. 75(9):1457-72

Ko HS., et al. (2000) J Biochem. 127(3):517-23

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain