

# Recombinant human GMF-gamma protein

Catalog Number: GMF0905

## PRODUCT INFORMATION

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### 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

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### 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

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### 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

MSDSL<sup>V</sup>VCEV DPEL<sup>T</sup>EKLRK FRFR<sup>K</sup>ETDNA AIIM<sup>K</sup>V<sup>D</sup>KDR QM<sup>V</sup>VLEEEFQ NISPEELKME LPERQPRFV<sup>V</sup> YSYKYVHDDG  
RVSYP<sup>L</sup>CFIF SSPVGCKPEQ QMMYAGSKNR LVQTAELTKV FEIRTTDDLT EAWLQEKL<sup>S</sup>F FR

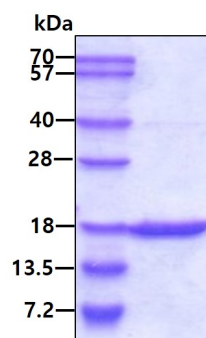
## General References

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