

Product information

GMF-gamma, 1-142 aa

Human, Recombinant, *E.coli*

Cat. No. IBGMF0905

Full name: Glia maturation factor, gamma

NCBI Accession No.: NP_004868

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-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.

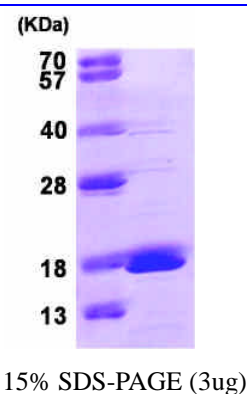
Form: Liquid. In 20mM Tris-HCl (pH8.0) containing 1 mM DTT, 1 mM EDTA
10% glycerol

Molecular Weight: 16.8 kDa (142 aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1ug of protein (determined by LAL method)



Sequences of amino acids:

MSDSLIVCEV DPELTKLRK FRFRKETDNA AIIMKVDKDR QMVLVEEEFQ NISPEELKME LPERQPRFVV YSYKYVHDDG RVSYP LCFIF 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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.