

## Product datasheet for **AR09135PU-L**

### Glia maturation factor gamma / GMFG (1-142) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Glia maturation factor gamma / GMFG (1-142) human recombinant protein, 0.5 mg   |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | MSDSLWVCEV DPELTEKLRK FRFRKETDNA AIIMKVDKDR QMVVLEEEFQ NISPEELKME LPERQPRFV YSYKYVHDDG RVSYP LCFIF SSPVGCKPEQ QMMYAGSKNR LVQTAELTKV FEIRTTDDLT EAWLQEKL SF FR |
| Predicted MW:                         | 16.8 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >90% by SDS - PAGE  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl (pH 8.0) containing 1 mM DTT, 1 mM EDTA, 10% glycerol         |
| Endotoxin:                            | < 1.0 EU per 1ug of protein (determined by LAL method)  |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human GMF-gamma protein was expressed in E.coli and purified by using conventional chromatography techniques.                                     |
| Storage:                              | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.                              |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <a href="#">NP_001287937</a>  |
| Locus ID:                             | 9535  |
| UniProt ID:                           | <a href="#">O60234</a> , <a href="#">M0R1D2</a>   |
| Cytogenetics:                         | 19q13.2   |
| Synonyms:                             | GMF-GAMMA   |



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**Summary:**

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.

**Product images:**