

GMF gamma/GMFG Protein, Human, Recombinant (His)

General Information

Synonyms:	glia maturation factor, γ ; glia maturation factor, gamma; GMF- γ ; GMF-GAMMA
Protein Construction:	A DNA sequence encoding the human GMFG (O60234) (Met1-Arg142) was expressed with a polyhistidine tag at the N-terminus. Predicted N terminal: His
Species:	Human
Expression Host:	E. coli
Accession:	O60234
Molecular Weight:	19 kDa (predicted); 19-22 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

The glia maturation factor gamma (GMFG) is a cytokine-responsive protein in erythropoietin-induced and granulocyte-colony stimulating factor-induced hematopoietic lineage development. It may mediate the pluripotentiality and lineage commitment of human hematopoietic stem cells. GMFG expression independently predicts poorer prognosis in patients with EOC. Ectopic overexpression of GMFG contributes to the malignant biological behavior of ovarian cancer cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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