

GMFG Protein, Human (His)

Cat. No.:	HY-P76367
Synonyms:	Glia maturation factor gamma; GMF-gamma; GMFG
Species:	Human
Source:	E. coli
Accession:	O60234 (S2-R142)
Gene ID:	9535
Molecular Weight:	Approximately 18 kDa

PROPERTIES

AA Sequence	<pre> SDSLVVCEVD PELTEKLRKF RFRKETDNAA IIMKVDKDRQ MVLLEEFQN ISPEELKME L PERQPRFV VY SYKYVHDDGR VSYPLCFIFS SPVGCKPEQQ MMYAGSKNRL VQTAELTKVF EIRTTDDLTE AWLQEKLSFF R </pre>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween 80.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The GMFG protein, belonging to the actin-binding proteins ADF family within the GMF subfamily, is primarily expressed in specific tissues, with a predominant presence noted in the lung, heart, and placenta. As a member of the actin-depolymerizing factor (ADF) family, GMFG likely participates in regulating actin dynamics, a critical process essential for cellular structure, motility, and various intracellular activities. The distinct expression pattern in vital organs suggests potential roles for GMFG in processes such as cell migration, tissue development, or physiological functions specific to the lung, heart, and placenta. Further investigations into GMFG's precise molecular functions and interactions within these</p>
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tissues could provide valuable insights into its contributions to cellular dynamics and organ-specific processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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