

GMFG Protein, Human (His)

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| 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

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| AA Sequence | <p> S D S L V V C E V D P E L T E K L R K F R F R K E T D N A A I I M K V D K D R Q M V V L E E E F Q N I S P E E L K M E L P E R Q P R F V V Y S Y K Y V H D D G R V S Y P L C F I F S S P V G C K P E Q Q M M Y A G S K N R L V Q T A E L T K V F E I R T T D D L T E A W L Q E K L S F F R </p> |
| 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 from date of receipt. 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

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| 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 tissues could provide valuable insights into its contributions to cellular dynamics and organ-specific processes.</p> |
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Caution: Product has not been fully validated for medical applications. For research use only.

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