

GMF-beta Protein, Mouse

Cat. No.:	HY-P72801
Synonyms:	Glia maturation factor beta; GMF-beta; Gmfb
Species:	Mouse
Source:	E. coli
Accession:	Q9CQI3 (S2-H142)
Gene ID:	63985
Molecular Weight:	Approximately 19.7 kDa

PROPERTIES

AA Sequence	<p> S E S L V V C D V A E D L V E K L R K F R F R K E T H N A A I I M K I D K D E R L V V L D E E L E G V S P D E L K D E L P E R Q P R F I V Y S Y K Y Q 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 K L V Q T A E L T K V F E I R N T E D L T E E W L R E K L G F F H </p>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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>GMF-beta protein emerges as a multifaceted regulator, orchestrating the differentiation of brain cells, stimulating neural regeneration, and concurrently inhibiting the proliferation of tumor cells. This versatile protein undergoes phosphorylation, a modification crucial for its activity and notably triggered by phorbol ester. The phosphorylated state of GMF-beta suggests a dynamic regulatory mechanism responsive to external signals, potentially playing a pivotal role in cellular signaling cascades. With its dual capacity to influence both neural development and impede tumor cell proliferation, GMF-beta stands out as a crucial player in the intricate modulation of cellular fate and function, holding promise for further</p>
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exploration in understanding and manipulating these fundamental biological processes.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA