GMFG Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	GMFG, Blocking Peptide
Full Product Name	GMFG Blocking Peptide
Product Gene Name	GMFG blocking peptide
Product Synonym Names	Glia maturation factor gamma; Glia maturation factor, gamma; GMF GAMMA; GMF-gamma; Gmfg; GMFG_HUMAN; MGC126867
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	GMFG peptide (MBS9621110) is used for blocking the activity of GMFG antibody (MBS9603633)
Molecular Weight	16,801 Da
OMIM	604104
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for GMFG blocking peptide	Blocking/Control
Related Product Information for GMFG blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of GMFG blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GMFG purchase	MBS9621110 is a blocking peptide targeting GMFG.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GMFG. It may not necessarily be applicable to this product.

NCBI GI #	666335604
NCBI GeneID	9535
NCBI Accession #	NP_001287937.1
UniProt Primary Accession #	O60234
UniProt Secondary Accession #	Q6IB37
UniProt Related Accession #	O60234

GenBank Nucleotide #	NM_001301008.1
NCBI Official Full Name	glia maturation factor gamma isoform 2
NCBI Official Synonym Full Names	glia maturation factor, gamma
NCBI Official Symbol	GMFG
NCBI Official Synonym Symbols	GMF-GAMMA
UniProt Protein Name	Glia maturation factor gamma
Protein Family	Glia maturation factor
UniProt Gene Name	GMFG
UniProt Synonym Gene Names	GMF-gamma
UniProt Entry Name	GMFG_HUMAN
NCBI Protein Information	glia maturation factor gamma
UniProt Comments for GMFG	GMF-gamma: Belongs to the actin-binding proteins ADF family. GMF subfamily. Protein type: Actin-binding Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: intracellular Molecular Function: growth factor activity; protein kinase inhibitor activity; enzyme activator activity; actin binding Biological Process: positive regulation of catalytic activity; negative regulation of protein kinase activity; protein amino acid phosphorylation
Research Articles on GMFG	**1.** In this study, knockdown of GMF-gamma by RNA interference enhanced actin polymerization and contraction in human airway smooth muscle (HASM) cells and tissues without affecting myosin phosphorylation.
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Online datasheet: https://www.mybiosource.com/blocking-peptide/gmfg/9621110