Membrane-Associated Guanylate Kinase, Ww and PDZ Domain-Containing Protein 3 (MAGI3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3 (MAGI3), Recombinant Protein
Full Product Name	Recombinant Human Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3 (MAGI3) , partial
Product Gene Name	MAGI3 recombinant protein
Product Synonym Gene Name	MAGI3
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	162,949 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	615943
3D Structure	ModBase 3D Structure for Q5TCQ9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MAGI3 recombinant protein	MBS1313896 is a recombinant protein targeting MAGI3. Also known as Recombinant Human Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3 (MAGI3) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MAGI3 recombinant protein 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAGI3. It may not necessarily be applicable to this product.

NCBI GI #	218505835
NCBI GeneID	260425
NCBI Accession #	NP_001136254.1
UniProt Primary Accession #	Q5TCQ9
UniProt Secondary Accession #	Q5TCQ8; Q5TCR0; Q9H2V6; Q9H5Y8; Q9HBC4; Q9HCD8
UniProt Related Accession #	Q5TCQ9

GenBank Nucleotide #	NM_001142782.1
NCBI Official Full Name	membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3 isoform 1
NCBI Official Synonym Full Names	membrane associated guanylate kinase, WW and PDZ domain containing 3
NCBI Official Symbol	MAGI3
NCBI Official Synonym Symbols	MAGI-3; dJ730K3.2
UniProt Protein Name	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3
UniProt Synonym Protein Names	Membrane-associated guanylate kinase inverted 3; MAGI-3
Protein Family	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein
UniProt Gene Name	MAGI3
UniProt Synonym Gene Names	KIAA1634; MAGI-3
NCBI Protein Information	membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3
UniProt Comments for MAGI3	Acts as a scaffolding protein at cell-cell junctions, thereby regulating various cellular and signaling processes. Cooperates with PTEN to modulate the kinase activity of AKT1. Its interaction with PTPRB and tyrosine phosphorylated proteins suggests that it may link receptor tyrosine phosphatase with its substrates at the plasma membrane. In polarized epithelial cells, involved in efficient trafficking of TGFA to the cell surface. Regulates the ability of LPAR2 to activate ERK and RhoA pathways. Regulates the JNK signaling cascade via its interaction with FZD4 and VANGL2.
Research Articles on MAGI3	**1.** The altered mRNA isoform, called MAGI3(pPA), produces a truncated protein that acts in a dominant-negative manner to prevent full-length MAGI3 from interacting with the YAP oncoprotein, thereby relieving YAP inhibition and promoting malignant transformation of human mammary epithelial cells.
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