

Recombinant Mouse Magi3 Protein, Myc/DDK-tagged

Cat. No. Magi3-3906M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length membrane associated guanylate kinase, WW and PDZ domain containing 3 (Magi3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	123.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Magi3 membrane associated guanylate kinase, WW and PDZ domain containing 3 [*Mus musculus* (house mouse)]

Official Symbol [Magi3](#)

Synonyms MAGI3; membrane associated guanylate kinase, WW and PDZ domain containing 3; membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3; MAGI-3; membrane-associated guanylate kinase inverted 3; membrane-associated guanylate kinase-related (MAGI-3); AA407180; AI120132; mKIAA1634; 4732496O19Rik; 6530407C02Rik

Gene ID [99470](#)

mRNA Refseq [NM_133853](#)

Protein Refseq [NP_598614](#)

UniProt ID [Q9EQJ9](#)

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