

Recombinant Human MAGI3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAGI3-6414H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAGI3 MS Standard C13 and N15-labeled recombinant protein (NP_690864) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	MAGI3 (Membrane Associated Guanylate Kinase, WW And PDZ Domain Containing 3) is a Protein Coding gene. Among its related pathways are Ras signaling pathway and Phospholipase-C Pathway. Gene Ontology (GO) annotations related to this gene include frizzled binding and guanylate kinase activity. An important paralog of this gene is MAGI2.
Molecular Mass	123.3 kDa
AA Sequence	MSKTLKKKKHWLSKVQECASWAGPPGDFGAEIRGGAERGEFPYLGRRLREEPGGG TCCVMSGKAPSPGDVLLVNGTPVSGLTNRDTLAVIRHFRPIRLKTVKPGKVINKDL RHYLSLQFQKGSIDHKLQQVIRDNLRLTIPCTTRAPRDGEVPGVDYNFISVEQFKAL EESGALLESPTYDGNFYGTPKPPAEPSPFPDPVDQVLFDNEFDAESQRKRRTTSVS KMERMDSSLPEEEEEDEDKEAINGSGNAENRERHSESSDWMKTVPSYNQTNSSMD FRNYMMRDETLEPLPKNWEMAYTDTGMIYFIDHNTKTTTWLDPRLCKKAKAPEDCE DGELPYGWEEKIEDPQYGTYYVDHLNQKTQFENPVEEAKRKKQLGQVEIGSSKPDM EKSHFTRDPSQLKGVLRASLKKSTMFGFTIIGGDRPDEFLQVKNVLKDGPAAQD

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GKIAPGDVIVDINGNCVLGHTHADVVQMFQLVPVNQYVNLTLCRGYPLPDDSEDPVV
 DIVAATPVINGQSLTKGETCMNPQDFKPGAMVLEQNGKSGHTLTGDGLNGPSDASE
 QRVSMASGSSQPELVTIPLIKGPKGFGFAIADSPTGQKVKMILDSQWCQGLQKGDII
 KEIYHQNVQNLTHLQVVEVLKQFPVGADVPLILRGGPPSPTKTAKMKTDKKENAGS
 LEAINEPIQPMPFPPIIRSGSPKLDPSEVYLKSKTLYEDKPPNTKDLDVFLRKQESG
 FGFRVLGGDGPDQSIYIGAIPLGAAEKDGRRLRAADELMCIDGIPVKGKSHKQVLDLM
 TTAARNGHVLLTVRRKIFYGEKQPEDDSSQAFISTQNGSPRLNRAEVPARPAPQEPY
 DVVLQRKENEGFGFVILTSKNKPPPGVIPHKIGRVIEGSPADRCGKLKVGDDHISAVNG
 QSIVELSHDNIVQLIKDAGVTVTLTVIAEEHHGPPSGTNSARQSPALQHRPMGQSQ
 ANHIPGDRSALEGEIGKDVSTSYRHSWSDHKHLAQPDTAVISVVGSRHNQNLGCYP
 VELERGPRGFGFSLRGGKEYNMGLFILRLAEDGPAIKDGRIHVGDQIVEINGEPTQGI
 THTRAIELIQAGGNKVLLLLRPGTGLIPDHGLAPSGLC SYVKPEQHTRTRPLEQKLISE
 EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MAGI3 membrane associated guanylate kinase, WW and PDZ domain containing 3 [Homo sapiens (human)]

Official Symbol MAGI3

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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-related 3; membrane-associated guanylate kinase inverted 3; MAGI-3; dJ730K3.2; RP4-730K3.1; MGC163281;
Gene ID	260425
mRNA Refseq	NM_152900
Protein Refseq	NP_690864
MIM	615943
UniProt ID	Q5TCQ9
SDS-PAGE	