

Product datasheet for SC306520

MAGI3 (NM_152900) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGI3 (NM_152900) Human Untagged Clone
Tag: Tag Free
Symbol: MAGI3
Synonyms: dj730K3.2; MAGI-3
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_152900 edited
CGTCTCGCGTCTGGGAACGGCCGGGCCCCAGCGGGCTGTGGTTCGCGGGTGGGGGCCGG
AGCGGCGAGGCCCCCTTACCGGGCTGCGCGGGCCGCCAGGGCCCGGGCTGAGACGG
GGCCGGAGCGGGCCCGCCGGCCCGCGCGGGGTCTCCCCATGGTGCAGCGGGTTCGG
GATGTGCAAGACGCTGAAGAAGAAGAAGCACTGGCTCAGCAAGGTGCAGGAGTGCGCCGT
GTCCTGGGCCGGGCCCGGGCGACTTCGGCGCGGAGATCCGCGGTGGCGCGGAGCGTGG
CGAGTTCCCTACCTGGGGCGGCTCCGCGAGGAGCCGGCGGGGACCTGCTGCGTCGT
CTCGGGCAAGGCCCCAGCCAGGCGATGTGCTGCTGGAGGTAACGGGACGCCTGTCAG
CGGGCTCACCAACCGGGACACCCTGGCTGTCATCCGCCACTTCCGCGAGCCCATCCGTCT
CAAGACTGTGAAACCAGGCAAAGTCATTAATAAAGATTTGCGGCATTACCTAAGTCTTCA
GTTTCAAAAAGGATCAATTGACCACAACTGCAGCAAGTATCAGAGATAATCTCTACTT
GAGAACCATTCCATGCACTACAAGGGCCCCAGGGATGGAGAAGTACCAGGAGTGGATTA
TAATTTCAATTTCCGTTGAACAGTTCAAAGCACTGGAAGAGAGTGGAGCATTGTTAGAAA
TGGGACATATGATGGAACCTTCTATGGAACCTCCAAGCCTCCAGCAGAACCAGCCCTTT
TCAGCCAGATCCAGTTGATCAAGTCCCTTTGATAATGAGTTTGTATGCAGAACTCAAAG
AAAACGAACGACATCTGTGAGCAAGATGGAAAGAATGGATAGCTCTTCTCCTGAAGAGGA
AGAAGATGAGGACAAGGAAGCTATTAATGGCAGTGGAAACGCAGAAAAACAGAGAGAGGCA
TTCTGAGTCATCTGACTGGATGAAGACTGTTCCAAGTTACAACCAAAACAATAGCTCCAT
GGACTTTAGAAATTATATGATGAGAGATGAGACTCTGGAACCACTGCCAAAAAATGCGGA
AATGGCCCTACACTGACACAGGGATGATCTACTTCAATGACCACAATACCAAGACAACCAC
CTGGTTGGATCCTCGTCTTTGTAAGAAAGCCAAAGCCCTGAAGACTGTGAAGATGGAGA
GCTTCTTATGGCTGGGAGAAAAAGAGGACCCTCAGTATGGGACATACTATGTTGATCA
CCTTAACCAGAAAACCCAGTTTAAAAATCCAGTGGAGGAAGCCAAAAGGAAAAAGCAGTT
AGGACAGGTTGAAATTGGGTCTTCAAACCAGATATGGAAAAATCACACTTCACAAGAGA
TCCATCCCAGCTTAAAGGTGCTTGTTCGAGCATCACTGAAAAAAGCACAATGGGATT
TGGTTTTACTATTATTGGTGGAGATAGACCTGATGAGTTCCTACAAGTAAAAATGTGCT
GAAAGATGGTCCCGCAGCTCAGGATGGGAAAATTGCACCAGGCGATGTTATTGTAGACAT



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CAATGGCAACTGTGTCCTCGGTCACACTCATGCAGATGTTGTCCAGATGTTTCAATTGGT
 ACCTGTCAATCAGTATGTAAACCTCACTTTATGTCGTGGTTATCCACTTCCTGATGACAG
 TGAAGATCCTGTTGTGGACATTGTTGCTGCTACCCTGTCATCAATGGACAGTCATTAAC
 CAAGGGAGAGACTTGCATGAATCCTCAGGATTTAAGCCAGGAGCAATGGTTCTGGAGCA
 GAATGGAAAATCGGGACACACTTGGACTGGTGTGGTCTCAATGGACCATCAGATGCAAG
 TGAGCAGAGAGTATCCATGGCATCGTCAGGCAGCTCCCAGCCTGAACTAGTGACTATCCC
 TTTGATTAAGGGCCCTAAAGGGTTTGGGTTTGAATTGCTGACAGCCCTACTGGACAGAA
 GGTGAAAATGATACTGGATAGTCAGTGGGTCAAGGCCTTCAGAAAAGGAGATATAATTAA
 GGAAATATACCATCAAAATGTGCAGAATTAACACATCTCCAAGTGGTAGAGGTGCTAAA
 GCAGTTTCCAGTAGGTGCTGATGTACCATTGCTTATCTTAAGAGGAGGTCTCCTCACC
 AACCAAACTGCCAAAATGAAAACAGATAAAAAGGAAAATGCAGGAAGTTTGGAGGCCAT
 AAATGAGCCTATTCCTCAGCCTATGCCTTTTCCACCGAGCATTATCAGGTCAGGATCCCC
 AAAATTGGATCCTTCTGAGGTCTACCTGAAATCTAAGACTTTATATGAAGATAAACCACC
 AAACACCAAAGATTTGGATGTTTTCTTCGAAAACAAGAGTCAGGGTTTGGCTTCAGGGT
 GCTAGGAGGAGATGGACCTGACCAGTCTATATATTGGGGCTATTATCCCCTGGGAGC
 AGCTGAGAAAAGATGGTCGGCTCCGCGCAGCTGATGAACTAATGTGCATTGATGGAATTCC
 TGTAAAGGGAAAATCACACAAAACAGTCTTGGACCTCATGACAACTGCTGCTCGAAATGG
 CCATGTGTTACTAACTGTGACAGCGAAGATCTTCTATGGAGAAAAACAACCCGAGGACGA
 CAGCTCTCAGGCCTTCATTTCAACACAGAATGGATCTCCCCGCCTGAACCGGGCAGAGGT
 CCCAGCCAGGCCTGCACCCAGGAGCCCTATGATGTTGTCTTGAACGAAAAGAAAATGA
 AGGATTTGGCTTTGTGTCATCCTCACCTCCAAAAACAACCACTCCAGGAGTTATTCCTCA
 TAAAATTGGCCGAGTCATAGAAGGAAGTCCGGCTGACCGCTGTGGAAAACGAAAAGTTGG
 AGATCATATCTCTGCAGTGAATGGGCAGTCCATTGTTGAACTGTCTCATGATAACATTGT
 TCAGCTGATCAAAGATGCTGGTGTCAACCGTCACACTAACGGTCATTGCTGAAGAAGAGCA
 TCATGGTCCACCATCAGGAACAAAACCTCAGCCAGGCAAAGCCAGCCCTGCAGCACAGGCC
 CATGGGACAGTCACAGGCCAACACATACCTGGGGACAGAAGTGCCTTAGAAGGTGAAAT
 TGGAAAAGATGTCTCCACTTCTTACAGACATTCTTGGTCAGACCACAAGCACCTTGACACA
 GCCTGACACCGCAGTAATTTAGTTGTAGGCAGTCGGCACAATCAGAACCTTGGTTGTTA
 TCCAGTAGAGCTGGAGAGAGGGCCCCGGGGCTTTGGATTACGCTCCGAGGGGGGAAGGA
 GTACAACATGGGGCTGTTTCATCCTTCGTCTTGTGAAGATGGTCTGCCATCAAAGATGG
 CAGAATTCATGTTGGTGACCAGATTGTTGAAATCAATGGGGAACCTACACAAGGAATCAC
 ACATACTCGAGCAATTGAGCTCATTGAGCTGGTGGAAAATAAAGTTCTTCTTTTGGAG
 GCCAGGAACTGGCTTGATACCTGACCATGGTTTGGCTCCTTCCGGTCTGTGCTCCTACGT
 GAAACCCGAGCAACATTAAGGCTTTCAGGGCTTTTCTTGG

- Restriction Sites:** Please inquire
- ACCN:** NM_152900
- Insert Size:** 3600 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_152900.2.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_152900.1</u> , <u>NP_690864.1</u>
RefSeq Size:	3504 bp
RefSeq ORF:	3378 bp
Locus ID:	260425
UniProt ID:	<u>Q5TCQ9</u>
Cytogenetics:	1p13.2
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction
Gene Summary:	<p>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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site at the 5' end of the last coding exon, compared to variant 1, that results in a protein (isoform 2) with a shorter and distinct C-terminus, compared to isoform 1.</p>