

Product datasheet for **SC326383**

MAGI3 (NM_001142782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGI3 (NM_001142782) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGI3
Synonyms:	dj730K3.2; MAGI-3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001142782, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGAAGACGCTGAAGAAGAAGAAGCACTGGCTCAGCAAGGTGCAGGAGTGCGCCGTG
TCCTGGGCCGGGCCCGGGCGACTTCGGCGCGGAGATCCGCGGTGGCGCGGAGCGTGGC
GAGTTCCCTACCTGGGGCGGCTCCGCGAGGAGCCGCGGGGGCACCTGCTGCGTCGTC
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TTGATTAAGGGCCCTAAAGGGTTTGGGTTTGAATTGCTGACAGCCCTACTGGACAGAAG
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 GGAGAAAAATGTCCAGCTATCAGAAAAGAGGCTGAAGCAAGAACCTGAAGAGAAGGTAGTT
 TCAAACAAAACAGAAGATCAGAAAAGGAAAGAACTAGAGGCAGCTGACAAAAACAAGAG
 ACTGGAAGGTTCAAACCGGAAAGCAGTTCTCCAGTTAAGAAAACACTGATAACTCCAGGG
 CCCTGGAAGGTTCAAAGTGGAAATAAAGTCACAGGCACTATTGGTATGGCTGAGAAACGG
 CAG

Restriction Sites: Please inquire
ACCN: NM_001142782

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001142782.1</u> , <u>NP_001136254.1</u>
RefSeq Size:	6536 bp
RefSeq ORF:	4446 bp
Locus ID:	260425
UniProt ID:	<u>Q5TCQ9</u>
Cytogenetics:	1p13.2
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction
Gene Summary:	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] Transcript Variant: This variant (1) encodes the longer protein (isoform 1).