

## Product datasheet for RC220279

### MAGI1 (NM\_004742) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGI1 (NM_004742) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGI1
Synonyms:	AIP-3; AIP3; BAIAP1; BAP-1; BAP1; MAGI-1; MAGI-1b; Magi1d; TNRC19; WWP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC220279 representing NM_004742 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

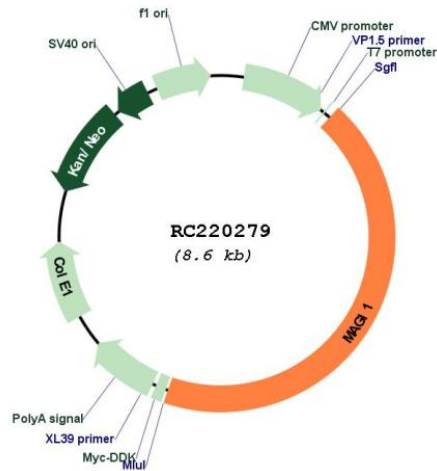
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Plasmid Map:**


**ACCN:** NM\_004742

**ORF Size:** 3768 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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:** [NM\\_004742.3](#)

**RefSeq Size:** 6178 bp

**RefSeq ORF:** 3771 bp

**Locus ID:** 9223

**UniProt ID:** [Q96QZ7](#)

<b>Cytogenetics:</b>	3p14.1
<b>Domains:</b>	WW, PDZ, Guanylate_kin, GuKc
<b>Protein Pathways:</b>	Tight junction
<b>MW:</b>	136.7 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the membrane-associated guanylate kinase homologue (MAGUK) family. MAGUK proteins participate in the assembly of multiprotein complexes on the inner surface of the plasma membrane at regions of cell-cell contact. The product of this gene may play a role as scaffolding protein at cell-cell junctions. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]