

Product datasheet for SC302692

MAGI1 (NM_001033057) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGI1 (NM_001033057) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGI1
Synonyms:	AIP-3; AIP3; BAIAP1; BAP-1; BAP1; MAGI-1; MAGI-1b; Magi1d; TNRC19; WWP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302692 representing NM_001033057. Blue=Insert sequence Red=Cloning site Green=Tag(s)

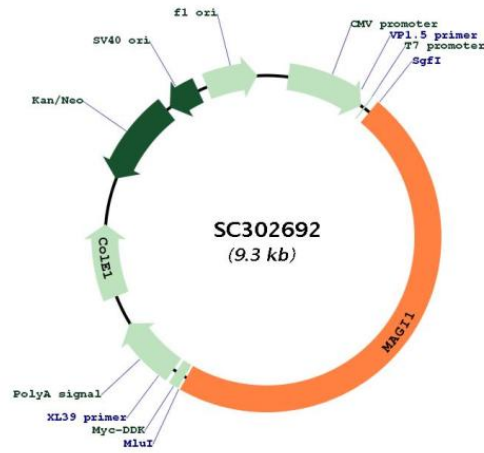
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Restriction Sites:
Sgfl-MluI

Plasmid Map:


ACCN: NM_001033057

Insert Size: 4389 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: 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:

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_001033057.1](#)

RefSeq Size: 7062 bp

RefSeq ORF: 4389 bp

Locus ID: 9223

UniProt ID: [Q96QZ7](#)

Cytogenetics: 3p14.1

Protein Pathways: Tight junction

MW: 161.5 kDa

Gene Summary: 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]

Transcript Variant: This variant (3) lacks two segments in the coding region, one of which leads to a frameshift, compared to variant 1. The resulting isoform (c) contains a shorter and distinct C-terminus, compared to isoform a.