

Product datasheet for RC212712L3

OriGene Technologies, Inc.

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MAGI1 (NM_001033057) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MAGI1 (NM_001033057) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: MAGI1

Synonyms: AIP-3; AIP3; BAIAP1; BAP-1; BAP1; MAGI-1; MAGI-1b; Magi1d; TNRC19; WWP3

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

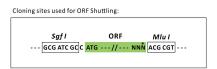
ORF Nucleotide The ORF insert of this clone:

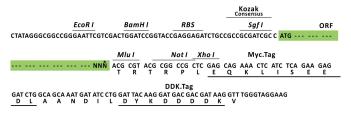
Sequence:

The ORF insert of this clone is exactly the same as(RC212712).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001033057

ORF Size: 4386 bp





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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: <u>NM 001033057.1</u>

 RefSeq Size:
 7062 bp

 RefSeq ORF:
 4389 bp

 Locus ID:
 9223

 UniProt ID:
 096027

Cytogenetics: 3p14.1

Protein Pathways: Tight junction

MW: 161.4 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]