

## Product datasheet for SC335278

### MAGEA2 (NM\_001282501) Human Untagged Clone

#### Product data:

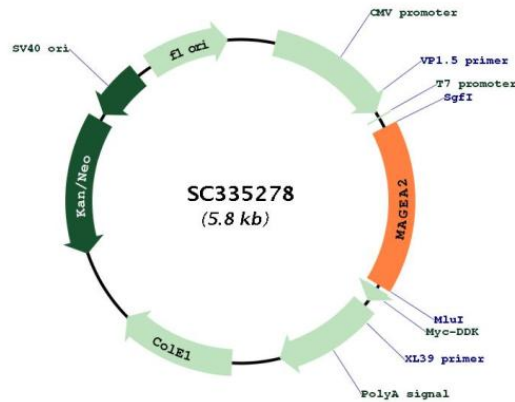
Product Type:	Expression Plasmids
Product Name:	MAGEA2 (NM_001282501) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEA2
Synonyms:	CT1.2; MAGE2; MAGEA2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335278 representing NM_001282501. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTCTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAAGAAGGCCTTGAGGCCCGAGGAGAGGCCCTG
GGCCTGGTGGGTGCGCAGGCTCCTGCTACTGAGGAGCAGCAGACCGCTTCTTCTCTTCTACTCTAGTG
GAAGTTACCTGGGGGAGGTGCTGCTGCCGACTACCGAGTCTCCCCACAGTCTCAGGGAGCCTCC
AGCTTCTCGACTACCATCAACTACTCTTTGGAGACAATCCGATGAGGGCTCCAGCAACCAAGAAGAG
GAGGGGCCAAGAATGTTCCCGACTGGAGTCCGAGTTCCAAGCAGCAATCAGTAGGAAGATGGTTGAG
TTGGTTCAATTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCAAAAAGGCAGAAATGCTGGAGAGT
GTCCTCAGAAATTGCCAGGACTTCTTCCCGTGATCTTACGAAAAGCCTCCGAGTACTTGCAGCTGGTC
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TCCTACGATGGCCTGCTGGGCGACAATCAGGTCATGCCAAAGACAGGCCTCCTGATAATCGTCTGGCC
ATAATCGCAATAGAGGGCGACTGTGCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTATGTTGGAGGTG
TTTGAGGGGAGGGAGGACAGTGTCTTCGCACATCCCAGGAAGCTGCTCATGCAAGATCTGGTGCAGGAA
AACTACCTGGAGTACCGGCAGGTGCCGGCAGTGATCCTGCATGCTACGAGTTCCTGTGGGTCCAAGG
GCCCTATTGAAACCAGCTATGTGAAAGTCTGCACCATACACTAAAGATCGGTGGAGAACCTCACATT
TCCTACCCACCCTGCATGAACGGGCTTTGAGAGAGGGAGAAGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001282501

**Insert Size:** 945 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).

**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\\_001282501.1](#)

**RefSeq Size:** 1964 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 4101

**UniProt ID:** [P43356](#)

**Cytogenetics:** Xq28

**MW:** 35.1 kDa

**Gene Summary:** This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. This gene has two identical copies at different loci. Alternatively spliced transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (4) lacks an internal exon in the 5' UTR region, compared to variant 3. Variants 1 through 7 encode the same protein.