

Product datasheet for **SC322675**

MAGEA2 (NM_175743) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA2 (NM_175743) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEA2
Synonyms:	CT1.2; MAGE2; MAGEA2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for SC322675
 CTCAGGTCAACACAGGGGCCCATCTGGTCGACAGATGCAGTGGTTCTAGGATCTGCCA
 AGCATCCAGGTGGAGAGCCTGAGGAATCAGGAGCTCCAGGAACCAGGCAGTGAGGCCTTG
 GTCTGAGTCAGTGCCTCAGGTCACAGAGCAGAGGGGACGCAGACAGTGCCAACACTGAA
 GGTTCGAGGGGGACAGGCTGACAAGTAGGACCCGAGGCACTGGAGGAGCATTGAAGGAG
 AAGATCTGCCTGTGGGTCTTCATTGCCAGCTCCTGCCGCACTCCTGCCTGCTGCCCTT
 ACCAGAGTCATCATGCCTTTGAGCAGAGGAGTCAAGTGCAGCTGCAAGCCTGAAGAAGGCCT
 GAGGCCCGAGGAGAGCCCTGGGCCTGGTGGGTGCGCAGGCTCCTGCTACTGAGGAGCAG
 CAGACCGCTTCTCCTCTTACTCTAGTGGAAGTTACCCTGGGGGAGGTGCCTGCTGCC
 GACTCACCGAGTCTCCACAGTCTCAGGGAGCCTCCAGTCTTCTGACTACCATCAAC
 TACTCTTTGGAGACAATCCGATGAGGGCTCCAGCAACCAAGAAGAGGAGGGGCAAGA
 ATGTTTCCCGACCTGGAGTCCGAGTTCCAAGCAGCAATCAGTAGGAAGATGGTTGAGTTG
 GTTCATTTCTGCTCCTCAAGTATCAAGCCAGGGAGCCGGTCACAAAGGCAGAAATGCTG
 GAGAGTGTCTCAGAAATGCCAGGACTTCTTTCCCGTATCTTACAGCAAAGCCTCCGAG
 TACTTGCAGCTGGTCTTTGGCATCGAGGTGGTGAAGTGGTCCCATCAGCCACTGTAC
 ATCCTTGTACCTGCCTGGGCCTCCTACGATGGCCTGCTGGGCACAATCAGGTCATG
 CCCAAGACAGGCCTCCTGATAATCGTCCTGGCCATAATCGCAATAGAGGGCGACTGTGCC
 CCTGAGGAGAAAATCTGGGAGGAGCTGAGTATGTTGGAGGTGTTTGGGGGAGGGAGGAC
 AGTGTCTTCGCACATCCCAGGAAGCTGCTCATGCAAGTCTGGTGCAGGAAAACCTG
 GAGTACCGGCAGGTGCCCGCAGTATCCTGCATGCTACGAGTTCCTGTGGGGTCCAAGG
 GCCCTCATTGAAACCAGCTATGTGAAAGTCTGCACCATACACTAAAGATCGGTGGAGAA
 CCTCACATTTCTACCCACCCCTGCATGAACGGGCTTTGAGAGAGGGAGAAGAGTGAGTC
 TCAGCACATGTTGCAGCCAGGGCCAGTGGGAGGGGGTCTGGGCCAGTGCACCTTCCAGGG
 CCCCATCCATTAGCTTCCACTGCCTCGTGTGATATGAGGCCATTCTGCCTCTTTGAAG
 AGAGCAGTCAGCATTCTTAGCAGTGAGTTTCTGTTCTGTTGGATGACTTTGAGATTTATC
 TTTGTTTCTGTTGGAATTGTTCAAATGTTCTTTTAAACAAATGGTTGGATGAACTTCAG
 CATCCAAGTTTATGAATGACAGTAGTCACACATAGTGCTGTTTATATAGTTTAGGGGTAA
 GAGTCTGTTTTTTATTAGATTGGGAAATCCATTCCATTTTGTGAGTTGTCACATAATA
 ACAGCAGTGGAAATATGTATTTGCCTATATTGTGAACGAATTAGCAGTAAAATACATGATA
 CAAGGAACTCAAAGATAGTTAATTCTTGCCTTATACCTCAGTCTATTATGTAATAATAA
 AAATATGTGTATTTTTGCTTCTTTGAGAATGCAAAAAGAAATTAATCTGAATAATAA
 TTAATAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_175743

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_175743.1](#), [NP_786885.1](#)

RefSeq Size: 1981 bp

RefSeq ORF: 945 bp

Locus ID: 4101

UniProt ID: [P43356](#)

Cytogenetics: Xq28

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 (3) is the longest transcript. Variants 1 through 7 encode the same protein.