

Product datasheet for **SC303185**

MAGEA4 (NM_002362) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA4 (NM_002362) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEA4
Synonyms:	CT1.4; MAGE-41; MAGE-X2; MAGE4; MAGE4A; MAGE4B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002362 edited
 GTTAGAGAGAAGCGAGCTGCTGTCTGACCAGCAGCTTGGGATTGGTGGAAAGGAAGCAGGC
 CAGGCCCTGTGAGGAGTCAAGGTTCTGAGCAGACAGGCCAACCGGAGGACAGGATTCCCT
 GGAGGCCACAGAGGAGCACCAAGGAGAAGATCTGCCTGTGGGTCCCCATTGCCAGCTTT
 TGCCTGCACTCTTGCCTGCTGCCCTGAGCAGAGTCATCATGTCTTCTGAGCAGAAGATC
 AGCACTGCAAGCCTGAGGAAGGCGTTGAGGCCAAGAAGAGGCCCTGGGCCTGGTGGGTCC
 CACAGGCTCCTACTACTGAGGAGCAGGAGCTGCTGTCTCCTCCTCCTCCTCCTCCTGTC
 CTGGCACCCCTGGAGGAAGTGCCTGCTGCTGAGTCAGCAGGTCTCCCCAGAGTCCTCAGG
 GAGCCTCTGCCTTACCCACTACCATCAGCTTCACTTGCTGGAGGCAACCAATGAGGGTT
 CCAGCAGCCAAGAAGAGGAGGGGCCAAGCACCTCGCCTGACGCAGAGTCCTTGTCCGAG
 AAGCACTCAGTAACAAGGTGGATGAGTTGGCTCATTTTCTGCTCCGCAAGTATCGAGCCA
 AGGAGCTGGTCACAAAGGCAGAAATGCTGGAGAGAGTCATCAAAAATTACAAGCGCTGCT
 TTCCTGTGATCTTCGGCAAAGCCTCCGAGTCCCTGAAGATGATCTTTGGCATTGACGTGA
 AGGAAGTGGACCCACCAGCAACACCTACACCCTGTACCTGCCTGGGCCTTTCCTATG
 ATGGCCTGCTGGGTAATAATCAGATCTTCCCAAGACAGGCCTTCTGATAATCGTCTGG
 GCACAATTGCAATGGAGGGCGACAGCGCCTCTGAGGAGGAAATCTGGGAGGAGCTGGGTG
 TGATGGGGTGTATGATGGGAGGAGCACACTGTCTATGGGGAGCCCAGGAAACTGCTCA
 CCCAAGATTGGGTGCAGGAAAACCTGGAGTACCGGCAGGTACCCGGCAGTAATCCTG
 CGCGCTATGAGTTCCTGTGGGTCCAAGGGCTCTGGCTGAAACCAGCTATGTGAAAGTCC
 TGGAGCATGTGGTCAGGGTCAATGCAAGAGTTCGCATTGCCTACCCATCCCTGCGTGAAG
 CAGCTTTGTTAGAGGAGGAAGAGGGAGTCTGAGCATGAGTTGCAGCCAGGGCTGTGGGA
 AGGGCAGGGCTGGGCCAGTGCATCTAACAGCCCTGTGCAGCAGCTTCCCTTGCCTCGTG
 TAACATGAGGCCATTCTCAGTCTGTTTGAAGAAAATAGTCAGTGTCTTAGTAGTGGG
 TTTCTATTTTGGATGACTTGGAGATTATCTCTGTTTCTTTTACAATTGTTGAAAT
 GTTCTTTTAATGGATGTTGAATTAACCTCAGCATCCAAGTTTATGAATCGTAGTTAAC
 GTATATTGCTGTTAATATAGTTTAGGAGTAAGAGTCTTGTTTTTTATTAGATTGGGAAA
 TCCGTTCTATTTGTGAATTTGGGACATAATAACAGCAGTGGAGTAAGTATTTAGAAGTG
 TGAATTCACCGTGAATAGGTGAGATAAATAAAAGATACTTAATTCCCGCCTTATGCCT
 CAGTCTATTCTGTAATAATTAATAATATATGCATACCTGGATTTCTTGGCTTCGTG
 AATGTAAGAGAAATTAATCTGAATAAATAATTCTTTCTGTTAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: NotI-NotI

ACCN: NM_002362

Insert Size: 1700 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: The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_002362.4.

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_002362.4](#), [NP_002353.3](#)

RefSeq Size: 1727 bp

RefSeq ORF: 954 bp

Locus ID: 4103

UniProt ID: [P43358](#)

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. Several variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2020]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All four variants encode the same protein.