

Product datasheet for **SC122904**

MAGEA10 (NM_021048) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGEA10 (NM_021048) Human Untagged Clone
Tag: Tag Free
Symbol: MAGEA10
Synonyms: CT1.10; MAGE10
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021048 edited
GAGAAGCGAGGTTCTCGTTCTGAGGGACAGGCTTGAGATCGGCTGAAGAGAGCGGGCCCA
GGCTCTGTGAGGAGGCAAGGGAGGTGAGAACCTTGCTCTCAGAGGGTGACTCAAGTCAAC
ACAGGGAACCCCTCTTTTCTACAGACACAGTGGGTCGCAGGATCTGACAAGAGTCCAGGT
TCTCAGGGGACAGGGAGAGCAAGAGGTCAAGAGCTGTGGGACACCACAGAGCAGCACTGA
AGGAGAAGACCTGCCTGTGGGTCCCATCGCCCAAGTCCTGCCACACTCCCACCTGCTA
CCCTGATCAGAGTCATCATGCCTCGAGCTCCAAAGCGTCAGCGCTGCATGCCTGAAGAAG
ATCTTCAATCCCAAAGTGAACACAGGGCCTCGAGGGTGCACAGGCTCCCCTGGCTGTGG
AGGAGGATGCTTCATCATCCACTCCACCAGCTCCTCTTTTCCATCCTCTTTTCCCTCCT
CCTCCTCTCCTCCTCCTCCTCCTGCTATCCTCTAATAACCAAGCACCCCAGAGGAGTTT
CTGCTGATGATGAGACACCAAATCCTCCCAGAGTGCTCAGATAGCCTGCTCCTCCCCT
CGGTGCTTGCTTCCCTTCCATTAGATCAATCTGATGAGGGCTCCAGCAGCCAAAAGGAGG
AGAGTCCAAGCACCTACAGGTCTGCCAGACAGTGAGTCTTTACCCAGAAGTGAGATAG
ATGAAAAGGTGACTGATTTGGTGAGTTTCTGCTCTTCAAGTATCAAATGAAGGAGCCGA
TCACAAAGGCAGAAATACTGGAGAGTGTCATAAAAAATTATGAAGACCACTTCCCTTTGT
TGTTTAGTGAAGCCTCCGAGTGCATGCTGCTGGTCTTTGGCATTGATGTAAGGAAGTGG
ATCCCCTGGCCACTCCTTTGCTTGTACCTCCCTGGGCTCACCTATGATGGGATGC
TGAGTGATGTCCAGAGCATGCCAAGACTGGCATTCTCATACTTATCCTAAGCATAATCT
TCATAGAGGGCTACTGCACCCCTGAGGAGTGCATCTGGGAAGCACTGAATATGATGGGGC
TGATGATGGGATGGAGACCTCATTATGGGGAGCCCAGGAAGCTGCTACCCAAAGATT
GGGTGCAGGAAAACCTGAGTACCGCAGGTGCCTGGCAGTGATCCTGCACGGTATG
AGTTTCTGTGGGTCCAAGGGCTCATGCTGAAATTAGGAAGATGAGTCTCCTGAAATTTT
TGGCCAAGGTAATGGGAGTGATCCAAGATCCTTCCCCTGTGGTATGAGGAGGCTTTGA
AAGATGAGGAAGAGAGAGCCAGGACAGAATTGCCACCACAGATGATACTACTGCCATGG
CCAGTGAAGTTCTAGCGCTACAGGTAGCTTCTCCTACCCTGAATAAAGTAAGACAGATT
CTTCACTGTGTTTTAAAAGGCAAGTCAAATACCACATGATTTTACTCATATGTGGAATCT
AAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021048 unedited NCCCGAGTTGGTATTTGTAATACGACTTACTATAGNNGCGCGCCGCAATTCGGCACGA GGGTAGAAGCGAGGTTCTCGTTCTGAGGGACAGGCTTGAGATCGGCTGAAGAGAGCGGGC CCAGGCTCTGTGAGGAGGCAAGGGAGGTGAGAACCTTGCTCTCAGAGGGTGACTCAAGTC AACACAGGGAACCCCTCTTTTCTACAGACACAGTGGTTCGACAGGATCTGACAAGAGTCCA GGTTCTCAGGGGACAGGGAGAGCAAGAGGTCAAGAGCTGTGGACACCACAGAGCAGCAC TGAAGGAGAAGACCTGCCTGTGGTCCCCATCGCCCAAGTCCTGCCACACTCCCACCTG CTACCCTGATCAGAGAGATCATGCCTCGAGCTCCAAAGCGTCAGCGCTGCATGCCTGAAG AAGATATTCAATCCCAAAGTGAGACACAGGGCACTATGGGGTGCACAGGCTCCCCTGCT GTGGAGGAGGATGCTTCATCATCCACTCCACCAGCTCCTCTTTTCCATCCTCTTTTCCC TCCTCCTCCTCTCCTCCTCCTCCTGCTATCCTCTAATACCAAGCACCCAGAGGAG GTTTCTGCTGATGAGGAGACACCAAATCCTCCCAGAGTGCTCAGATAGCCTGCTCCTCC CCCTCGGTCGTTGCTTCCCTTCCATTAGATCAATCTGATGAGGGCTCCAGCAGCCAAAAA GAGGAGAGTCCAAGCACCTACAGGTCCTGCCAGACAGTGAAGTCTTACCAGAAGTGAG ATAGATGAAAAGGTGACTGATTTGGTGCCAGTTCTGGCTTTCAATATCAAATGAAGGAG CCGTTCAAAAGGCAGAAATACTGGAGAGTGCCTAAAAAATTAAGAAAGACACCTTCCC TTTGTTGGTTAATGA
Restriction Sites:	Please inquire
ACCN:	NM_021048
Insert Size:	1528 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:	<ol style="list-style-type: none">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_021048.3 , NP_066386.1
RefSeq Size:	1519 bp
RefSeq ORF:	1110 bp
Locus ID:	4109
UniProt ID:	P43363
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. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream melanoma antigen family A, 5 (MAGEA5) gene.[provided by RefSeq, Oct 2011]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.