

Product datasheet for **SC322788**

MAGEA2 (NM_175742) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA2 (NM_175742) 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)



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Fully Sequenced ORF: >OriGene sequence for SC322788
 ATTGGAGGTCAGAGGACAGCGAGATTCTCGCCCTGAGCAACGGCCTGACGTGGCGGAGG
 GAAGCAGGCGCAGGCTCCGTGAGGAGGCAAGATCTCAGGGAGTTGATGACCTTGTTTTCA
 GAAGGTGACTCAGGTCAACACAGGGGCCCATCTGGTCGACAGATGCAGTGGTTCTAGG
 ATCTGCCAAGCATCCAGGTGGAGAGCCTGAGGTTCTGAGGGGGACAGGCTGACAAGTAGG
 ACCCGAGGCACTGGAGGAGCATTGAAGGAGAAGATCTGCCTGTGGGTCTTCATTGCCAG
 CTCCTGCCCGCACTCTGCCTGCTGCCCTGACCAGAGTCATCATGCCTCTTGAGCAGAGG
 AGTCAGCACTGCAAGCCTGAAGAAGGCCTTGAGGCCGAGGAGAGGCCCTGGGCCTGGTG
 GGTGCGCAGGCTCCTGCTACTGAGGAGCAGCAGACCGCTTCTTCCTTTCTACTCTAGTG
 GAAGTTACCCTGGGGGAGGTGCCTGCTGCCGACTCACCGAGTCCTCCACAGTCCTCAG
 GGAGCCTCCAGCTTCTCGACTACCATCACTACACTCTTTGGAGACAATCCGATGAGGGC
 TCCAGCAACCAAGAAGAGGAGGGGCCAAGAATGTTTCCGACCTGGAGTCCGAGTTCCAA
 GCAGCAATCAGTAGGAAGATGGTTGAGTTGGTTTCTGCTCCTCAAGTATCGAGCC
 AGGGAGCCGGTCACAAAGGCAGAAATGCTGGAGAGTGCCTCAGAAATGCCAGGACTTC
 TTTCCCGTATCTTCAGCAAAGCCTCCGAGTACTTGCAGCTGGTCTTTGGCATCGAGGTG
 GTGGAAGTGGTCCCATCAGCCACTTGTACATCCTTGTACCTGCCTGGGCCTCTCCTAC
 GATGGCCTGCTGGGCGACAATCAGGTCATGCCCAAGACAGGCCTCCTGATAATCGTCCTG
 GCCATAATCGCAATAGAGGGCGACTGTGCCCTGAGGAGAAAACTGGGAGGAGCTGAGT
 ATGTTGGAGGTGTTTGGGGGAGGGAGGACAGTGTCTTCGCACATCCCAGGAAGCTGCTC
 ATGCAAGATCTGGTGCAGGAAACTACCTGGAGTACCGGCAGGTGCCCGCAGTATCCT
 GCATGCTACGAGTTCTGTGGGGTCCAAGGGCCCTCATTGAAACCAGCTATGTGAAAGTC
 CTGCACCATACTAAAGATCGGTGGAGAACCTCACATTTCTACCCACCCTGCATGAA
 CGGGCTTTGAGAGAGGGAGAAGAGTGAGTCTCAGCACATGTTGCAGCCAGGGCCAGTGGG
 AGGGGGTCTGGGCCAGTGCACCTTCCAGGGCCCATCCATTAGCTTCCACTGCCTCGTGT
 GATATGAGGCCCATCCTGCCTCTTTGAAGAGAGCAGTCAGCATTCTTAGCAGTGAAGTT
 CTGTTCTGTTGGATGACTTTGAGATTTATCTTTGTTTCTGTTGGAATTGTTCAAATGTT
 CCTTTTAACAAATGGTTGGATGAACTTCAGCATCCAAGTTTATGAATGACAGTAGTCACA
 CATAGTGTGTTTATATAGTTTGGGGTAAAGAGTCTGTTTTTTTATTCAGATTGGGAAAT
 CCATTCCATTTTGTGAGTTGTCACATAATAACAGCAGTGAATATGTATTTGCCTATATT
 GTGAACGAATTAGCAGTAAAATACATGATACAAGGAACTAAAAGATAGTTAATTTCTTGC
 CTTATACCTCAGTCTATTATGTAATAATAAAAATATGTGTATGTTTTTGTCTTTTGGAGA
 ATGCAAAAAGAAATTAATCTGAATAAATAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_175742

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_175742.1](#), [NP_786884.1](#)

RefSeq Size: 1965 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 (2) has an additional exon in the 5' region and lacks an alternate exon in a downstream region, compared to variant 3. Variants 1 through 7 encode the same protein.