

Product datasheet for **SC319946**

MAGEA6 (NM_175868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA6 (NM_175868) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEA6
Synonyms:	CT1.6; MAGE-3b; MAGE3B; MAGE6
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 NM_175868.1
 GCCTGACGTGCGCGGAGGGAAGCCGCCAGGCTCGGTGAGGAGGCAAGGTTCTGAGGGG
 ACAGGCTGACGTGGAGGACCAGAGGCCCGGAGGAGCACTGAAGGAGAAGATCTGCCAG
 TGGGTCTCATTGCCAGCTCCTGCCACACTCCCGCCTGTTGCCCTGACCAGAGTCATC
 ATGCCTTTGAGCAGAGGAGTCACTGCAAGCCTGAAGAAGGCCTTGAGGCCGAGGA
 GAGGCCCTGGGCTGGTGGTGCGCAGGCTCCTGCTACTGAGGAGCAGGAGGCTGCCTCC
 TCCTCTTCTACTCTAGTTGAAGTCACCCCTGGGGGAGGTGCCTGCTGCCGAGTCACCAGT
 CCTCCCCAGAGTCTCAGGGAGCCTCCAGCCTCCCCACTACCATGAACTACCCTCTCTGG
 AGCCAATCCTATGAGGACTCCAGCAACCAAGAAGAGGAGGGGCCAAGCACCTTCCCTGAC
 CTGGAGTCTGAGTCCAAGCAGCACTCAGTAGGAAGGTGGCCAAGTTGGTTCATTTTCTG
 CTCCTCAAGTATCGAGCCAGGGAGCCGGTCAAAAGGCAGAAATGCTGGGGAGTGTCTGTC
 GGAAATTTGGCAGTACTTCTTTCTGTGATCTTCAGCAAAGCTTCCGATTCCTTGCAGCTG
 GTCTTTGGCATCGAGCTGATGGAAGTGGACCCCATCGGCCACGTGTACATCTTTGCCACC
 TGCTGGGCTCTCCTACGATGGCCTGCTGGGTGACAATCAGATCATGCCAAGACAGGC
 TTCTGATAATCATCCTGGCCATAATCGCAAAAGAGGGGCGACTGTCCCTGAGGAGAAA
 ATCTGGGAGGAGCTGAGTGTGTTAGAGGTGTTGAGGGGAGGGAAGACAGTATCTTCGGG
 GATCCCAAGAAGCTGCTCACCCAATATTTCTGTCAGGAAAACCTGGAGTACCGGCAG
 GTCCCCGGCAGTATCCTGCATGCTATGAGTTCCTGTGGGGTCCAAGGGCCCTCATTGAA
 ACCAGCTATGTGAAAGTCTGCACCATATGGTAAAGATCAGTGGAGGACCTCGCATTTCC
 TACCCACTCCTGCATGAGTGGGCTTTGAGAGAGGGGGAAGAGTGAAGTCTGAGCACGAGTT
 GCAGCCAGGGCCAGTGGGAGGGGTTTGGGCCAGTGCACCTTCCGGGGCCCCATCCCTTA
 GTTTCCACTGCCTCCTGTGACGTGAGGCCATTCTTCACTCTTTGAAGCGAGCAGTCAGC
 ATTCTTAGTAGTGGGTTTCTGTTCTGTTGGATGACTTTGAGATTATCTTTGTTTCTGT
 TGGAGTTGTTCAAATGTTCTTTTAAACGGATGGTTGAATGAGCGTCAGCATCCAGGTTTA
 TGAATGACAGTAGTCACACATAGTGCTGTTTATATAGTTTAGGAGTAAGAGTCTTGT
 TTATTCAGATTGGGAAATCCATTCCATTTGTGAATTGTGACATAATAATAGCAGTGGTA
 AAAGTATTTGCTAAAATTGTGAGCGAATTAGCAATAACATACATGAGATAAACAAGAA
 ATCAAAAGATAGTTGATTCTTGCCTTGTACCTCAATCTATTCTGTAATAAACAATA
 TGCAAACCAGGATTTCTTGACTTCTTTGAGAATGCAAGCGAAATTAATCTGAATAAAT
 AATTA

Restriction Sites: Please inquire

ACCN: NM_175868

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_175868.1](#), [NP_787064.1](#)

RefSeq Size: 1787 bp

RefSeq ORF: 945 bp

Locus ID: 4105

UniProt ID: [P43360](#)

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. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (2) represents the longer transcript. Variants 1 and 2 encode the same protein.