

## Product datasheet for **SC123307**

### **MAGEA2 (MAGEA2B) (NM\_153488) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAGEA2 (MAGEA2B) (NM_153488) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEA2
Synonyms:	CT1.2; MAGE2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_153488 edited  
 GGTTCAGAGGGGACAGGCTGACAAGTAGGACCCGAGGCACTGGAGGAGCATTGAAGGAG  
 AAGATCTGCCTGTGGGTCTTCATTGCCAGCTCCTGCCGCACTCCTGCCTGCTGCCCTG  
 ACCAGAGTCATCATGCCTCTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAAGAAGGCCTT  
 GAGGCCGAGGAGAGGCCCTGGGCTGGTGGTGCGCAGGCTCCTGCTACTGAGGAGCAG  
 CAGACCGCTTCTCTCTTCTACTCTAGTGGAAGTTACCCTGGGGAGGTGCCTGCTGCC  
 GACTCACCGAGTCTCCACAGTCTCAGGGAGCCTCCAGCTTCTCGACTACCATCAAC  
 TACACTCTTTGGAGACAATCCGATGAGGGCTCCAGCAACCAAGAAGAGGAGGGGCAAGA  
 ATGTTTCCCGACCTGGAGTCCGAGTTCCAAGCAGCAATCAGTAGGAAGATGGTTGAGTTG  
 GTTCATTTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCACAAAGGCAGAAATGCTG  
 GAGAGTGTCTCAGAAATGCCAGGACTTCTTTCCCGTATCTTCAGCAAAGCCTCCGAG  
 TACTTGCAGCTGGTCTTTGGCATTGAGGTGGTGAAGTGGTCCCATCAGCCACTTGAC  
 ATCCTTGTACCTGCCTGGGCTCTCTACGATGGCTGCTGGGCGACAATCAGGTCATG  
 CCCAAGACAGGCCTCCTGATAATCGTCTGGCCATAATCGCAATAGAGGGCGACTGTGCC  
 CCTGAGGAGAAAACTGGGAGGAGCTGAGTATGTTGGAGGTGTTGAGGGGAGGGAGGAC  
 AGTGTCTTCGCACATCCAGGAAGCTGCTCACCAAGATTTGGTGCAGGAAAACTACCTG  
 GAGTACCGGCAGGTGCCCGCAGTGATCCTGCATGCTACGAGTTCCTGTGGGGTCCAAGG  
 GCCCTCATTGAAACCAGCTATGTGAAAGTCTGCACCATACACTAAAGATCGGTGGAGAA  
 CCTCACATTTCTACCCACCCCTGCATGAACGGGCTTTGAGAGAGGGAGAAGAGTGAGTC  
 TCAGCACATGTTGCAGCCAGGGCAGTGGGAGGGGGTCTGGGCCAGTGCACCTTCCAGGG  
 CCCCATCCATTAGCTTCCACTGCCTCGTGTGATATGAGGCCATTCTGCCTCTTTGAAG  
 AGAGCAGTCAGCATTCTAGCAGTGAGTTCTGTTCTGTTGGATGACTTTGAGATTTATC  
 TTTGTTTCTGTTGGAATTGTTCAAATGTTCTTTTAAACAAATGGTTGGATGAACCTCAG  
 CATCCAAGTTTATGAATGACAGTAGTCACACATAGTGCTGTTTATATAGTTTAGGGGTAA  
 GAGTCTGTTTTTTTATTAGATTGGGAAATCCATTCCATTTTGTGAGTTGCACATAATA  
 ACAGCAGTGGAATATGTATTTGCCTATATTGTGAACGAATTAGCAGTAAAATACATGATA  
 CAAGGAACTCAAAGATAGTTAATTCTTGCCTTATACCTCAGTCTATTATGTAATAATTA  
 AAATATGTGTATGTTTTGCTTCTTTGAGAATGCAAAAGAAATTAATCTGAATAAAAAA  
 AAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_153488 unedited  
 CGGGATATCGTCGACCACGCGTCCGAGCAGGCGCAGGCTCCGTGAGGAGGCAAGGTTCTG  
 AGGGGGACAGGCTGACAAGTAGGACCCGAGGCACTGGAGGAGCATTGAAGGAGAAGATCT  
 GCCTGTGGGTCTTCATTGCCAGCTCCTGCCGCACTCCTGCCTGCTGCCCTGACCAGAG  
 TCATCATGCCTCTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAAGAAGGCCTTGAGGCC  
 GAGGAGAGGCCCTGGGCTGGTGGTGCGCAGGCTCCTGCTACTGAGGAGCAGCAGACCG  
 CTTCTTCTCTTACTACTAGTGGAAGTTACCCTGGGGAGGTGCCTGCTGCCACTCAC  
 CGAGTCTCCACAGTCTCAGGGAGCCTCCAGCTTCTCGACTACCATCAACTACACTC  
 TTTGGAGACAATCCGATGAGGGCTCCAGCAACCAAGAAGAGGAGGGGCAAGAATGTTTC  
 CCGACCTGGAGTCCGAGTCCAAGCAGCAATCAGTAGGAAGATGGTTGAGTTGGTTTCATT  
 TTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCACAAAGGCAGAAATGCTGGAGAGTG  
 TCCTCAGAAATGCCAGGACTTCTTTCCCGTATCTTCAGCAAAGCCTCCGAGTACTTGC  
 AGCTGGTCTTTGGCATTGAGGTGGTGAAGTGGTCCCATCAGCCACTTGTACATCCTTG  
 TCACCTGCCTGGGCTCTCCTACGATGGCTGCTGGGCGACAATCAGGTCATGCCAGAC  
 AGGCCTCCTGATAATCGTCTGGCCATAATCGCAATAAAGGGCGACTGTGGCCCTGAGG  
 AGC

**Restriction Sites:** Please inquire

**ACCN:** NM\_153488

**Insert Size:** 1657 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_153488.3</a> , <a href="#">NP_705692.1</a>
<b>RefSeq Size:</b>	1629 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	266740
<b>UniProt ID:</b>	<a href="#">P43356</a>
<b>Cytogenetics:</b>	Xq28
<b>Gene Summary:</b>	<p>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. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: Variants 1 through 6 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>