

## Product datasheet for **SC122695**

### **MAGE 1 (MAGEA1) (NM\_004988) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAGE 1 (MAGEA1) (NM_004988) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGE 1
Synonyms:	CT1.1; MAGE1
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\_004988 edited  
 CGTAGAGTTTCGGCCGAAGGAACCTGACCCAGGCTCTGTGAGGAGGCAAGGTTTTTCAGGGG  
 ACAGGCCAACCCAGAGGACAGGATTCCTGGAGGCCACAGAGGAGCACCAAGGAGAAGAT  
 CTGCCTGTGGGTCTTCATTGCCAGCTCCTGCCACACTCCTGCCTGCTGCCCTGACGAG  
 AGTCATCATGTCTTTGAGCAGAGGAGTCTGCACTGCAAGCCTGAGGAAGCCCTTGAGGC  
 CCAACAAGAGGCCCTGGGCCTGGTGTGTGTGCAGGCTGCCGCCTCCTCCTCCTCCTCT  
 GGTCCCTGGCACCCCTGGAGGAGGTGCCACTGCTGGGTCAACAGATCCTCCCCAGAGTCC  
 TCAGGGAGCCTCCGCCTTTCCCACTACCATCAACTTCACTCGACAGAGGCAACCCAGTGA  
 GGGTTCAGCAGCCGTGAAGAGGAGGGGCCAAGCACCTTGTATCCTGGAGTCTTGT  
 CCGAGCAGTAATCACTAAGAAGGTGGCTGATTTGGTTGGTTTTCTGCTCCTCAAATATCG  
 AGCCAGGGAGCCAGTCACAAAGGCAGAAATGCTGGAGAGTGCATCAAAAATTACAAGCA  
 CTGTTTTCTGAGATCTTCGGCAAAGCCTCTGAGTCTTGCAGCTGGTCTTTGGCATTGA  
 CGTGAAGGAAGCAGACCCACCGCCACTCCTATGTCCTTGTACCTGCCTAGGTCTCTC  
 CTATGATGGCCTGCTGGGTGATAATCAGATCATGCCAAGACAGGCTTCTGATAATTGT  
 CCTGGTCAATGATTGCAATGGAGGGCGCCATGCTCCTGAGGAGGAAATCTGGGAGGAGCT  
 GAGTGTGATGGAGGTGATGATGGGAGGAGCAGAGTGCCTATGGGGAGCCAGGAAGCT  
 GCTCACCAAGATTTGGTGCAGGAAAAGTACCTGGAGTACCGGCAGGTGCCGGACAGTGA  
 TCCCGCACGCTATGAGTTCCTGTGGGTCCAAGGGCCCTTGTGAAACCAGCTATGTGAA  
 AGTCTTGAGTATGTGATCAAGGTCAAGTCAAGAGTTCGCTTTTTCTTCCCATCCCTGCG  
 TGAAGCAGCTTTGAGAGAGGAGGAAGAGGGAGTCTGAGCATGAGTTGCAGCCAGGGCCAG  
 TGGGAGGGGACTGGGCCAGTGCACCTTCCAGGGCCGCTCCAGCAGCTTCCCCTGCCTC  
 GTGTGACATGAGGCCATTCTTCACTCTGAAGAGAGCGGTCAAGTCTCAGTAGTAGGT  
 TTCTGTTCTATTGGGTGACTTGGAGATTTATCTTTGTTCTTTTTGGAATTGTTCAAATG  
 TTTTTTTTTAAGGGATGGTTGAATGAACCTCAGCATCCAAGTTTATGAATGACAGCAGTC  
 ACACAGTCTGTGTATATAGTTAAGGGTAAGAGTCTTGTGTTTTATTAGATTGGGAAA  
 TCCATTCTATTTGTGAATTGGGATAATAACAGCAGTGAATAAGTACTTAGAAATGTGA  
 AAAATGAGCAGTAAAATAGATGAGATAAAGAACTAAAGAAATTAAGAGATAGTCAATTCT  
 TGCTTTATACCTCAGTCTATTCTGTAATAATTTTTAAAGATATATGCATACCTGGATTTC  
 TTGGCTCTTTGAGAATGAAGAGAAATTAATCTGAATAAAGAATTCTCCTGTAAAAA  
 AA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_004988 unedited  
 NAACGTCAAATTTTGTATACGACTCACTATAGGCGGCCGCGNATTCAAATCTGGTACCGG  
 TCCGGAATTCGGGATATCGTCGACCCACGCGTCCGCGTAGAGTTTCGGCCGAAGGAACC  
 TGACCCAGGCTCTGTGAGGAGGCAAGGTTTTTCAGGGGACAGGCCAACCCAGAGGACAGGA  
 TTCCCTGGAGGCCACAGAGGAGCACCAAGGAGAAGATCTGCCTGTGGGTCTTCATTGCC  
 AGCTCCTGCCACACTCCTGCCTGCTGCCCTGACGAGAGTCAATCATGTCTCTTGCAGCAG  
 GGAGTCTGCACTGCAAGCCTGAGGAAGCCCTTGAGGCCCAACAAGAGCCCTGGGCCTGG  
 TGTGTGTGCAGGCTGCCGCCTCCTCCTCCTCCTCCTGCTGCTGGGCACCCTGGAGGAGG  
 TGCCCACTGCTGGGTCAACAGATCCTCCCAGAGTCTCAGGGAGCCTCCGCCTTTCCA  
 CTACCATCAACTTCACTCGACAGAGGCAACCCAGTGGGGTTCCAGCAGCCGTGAAGAGG  
 AGGGGCCAAGCACCTCTGTATCCTGGAGTCTTGTCCGAGCAGTAATCACTAAGAAGG  
 TGGCTGATTTGGTTGGTTTTCTGCTCCTCAAATATCGAGCCAGGGAGCCAGTCACAAAGG  
 CAGAAATGCTGGAGAGTGCATCAAAAATACAAGCACTGTTTTCTGAGATCTTCGGCA  
 AAGCCTCTGAGTCTTGCAGCTGGGTCTTGGCATTGACGTGGAAGAAGCAGACCCCCACG  
 GCCACTCCTATGCTTGTACCTGCCTAGGTCTCCTATGATGGCCTGGCTGGTGAAA  
 TCAGATCATGCCCAGACAGGTTCTGAAAAATGGCCCGGTCATGATT

**Restriction Sites:** Please inquire  
**ACCN:** NM\_004988  
**Insert Size:** 1722 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_004988.3</a> , <a href="#">NP_004979.2</a>
<b>RefSeq Size:</b>	1722 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	4100
<b>UniProt ID:</b>	<a href="#">P43355</a>
<b>Cytogenetics:</b>	Xq28
<b>Gene Summary:</b>	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. [provided by RefSeq, Jul 2008]