

## Product datasheet for **SC304398**

### **MAGEE1 (MAGEC2) (NM\_016249) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAGEE1 (MAGEC2) (NM_016249) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEE1
Synonyms:	CT10; HCA587; MAGEE1
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\_016249 edited  
 GCCAGGAGTCAAGGCCTGTTGGATCTCATCCATATCCCTGTTGATACGTTTACCTGC  
 TGCTCCTGAAGAAGTCGTCATGCCTCCCCTCCAGGCGTCCATTCCGCAACGTTGACAA  
 CGACTCCCCGACCTCAGTTGAGTTAGAAGACTGGGTAGATGCACAGCATCCCACAGATGA  
 GGAAGAGGAGGAAGCCTCCTCCGCTCTCCACTTTGACTTAGTATTTTCCCCCTCTTC  
 TTTCTCCACATCCTCTTCTGATTCTTGGTGGTCTGAGGAGGAGGAGGTGCCCTCTGG  
 TGTGATACCAAACTTACCGAGAGCATTCCAGTAGTCCTCCACAGGGTCTCCACAGGG  
 TCCTTCCAGAGTCTCTGAGCTCTGCTGCTCCTCTTTTTTTCATGGAGCTCATTAGTGA  
 GGAGTCCAGCAGCCAGAAAGGGGAGGATACAGGCACCTGTCAGGGCCTGCCAGACAGTGA  
 GTCCTCTTTCACATATACTAGATGAAAAGGTGGCCGAGTTAGTGGAGTTCCTGCTCCT  
 CAAATACGAAGCAGAGGAGCCTGTAACAGAGGCAGAGATGCTGATGATTGTCATCAAGTA  
 CAAAGATTACTTTCTGTGATACTCAAGAGAGCCCGTAGTTCATGGAGCTTCTTTTTGG  
 CCTTGGCCTGATAGAAGTGGCCCTGACCACTTCTGTGTGTTTGCAAACACAGTAGGCCCT  
 CACCGATGAGGGTAGTGATGATGAGGGCATGCCCGAGAACAGCCTCCTGATTATTATTCT  
 GAGTGTGATCTTCATAAAGGGCAACTGTGCCTCTGAGGAGTTCATCTGGGAAGTGTGAA  
 TGCAGTAGGGGTATATGCTGGGAGGAGCACTTCGTCTATGGGGAGCCTAGGGAGCTCCT  
 CACTAAAGTTTGGGTGCAGGGACATTACCTGGAGTATCGGGAGGTGCCCCACAGTTCCTCC  
 TCCATATTATGAATTCCTGTGGGGTCCAAGAGCCCATTCAGAAAGCATCAAGAAGAAAGT  
 ACTAGAGTTTTAGCCAAGCTGAACAACACTGTTCTAGTTTCTTTCCATCCTGGTACAA  
 GGATGCTTTGAAAGATGTGGAAGAGAGAGTCCAGGCCACAATTGATACCGCAGATGATGC  
 CACTGTGATGGCCAGTAAAAGCCTCAGTGTGATGCCAGCAACGTCCTTTTCTGAGTG  
 AAGTCTAGGATAGTTTCTTCCCCTTGTGTTTGAACAGGGCAGTTAGGTTCTAGGTAGTG  
 GAGGGCCAGGTGGGGCTCGAGGAACGTAGTGTCTTTGCATTTCTGTCCCATATGGGTGA  
 TGTAGAGATTTACCTGTTTTTCAGTATTTTCTAAATGCTTTTCTTTGAATAGCAGGTAG  
 TTAGTTCAGAGTGTTAATTTATGAATATTAGTCGCACATGATTGCTCTTTATCTGGTT  
 TAAGAGTAACAGTTTGATATTTTGTAAAAAATGAAAATACCTTCTCCCTTATTTTGTG  
 ATCTGTAACAGGGTAGTGTGGTATTGTAATAGGCATTTTTTTTTTTTTTACAATGTGCA  
 ATAACAGCAGTTAAATAGTGAACAAAATTGAAGGGTGGTCAGTAGTTTCATTTCCCTT  
 GTCCTGCTTATTCTTTTGTCTTGAATAATATATACCTGGCTTTGCTTAGCTTGTGTA  
 AGAAAGTAGCAGAAATTAATCTTAATAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_016249 unedited  
 GGGCATAGGATTTGTATACGACTTTCTATAGGCGGCCGNAATTCGCACGAGGGCCAGG  
 AGTCAAGGCCTGTTGGATCTCATCCATATCCCTGTTGATACGTTTACCTGCTGCTCC  
 TGAAGAAGTCGTCATGCCTCCCCTCCAGGCGTCCATTCCGCAACGTTGACAACGACTC  
 CCCGACCTCAGTTGAGTTAGAAGACTGGGTAGATGCACAGCATCCCACAGATGAGGAAGA  
 GGAGGAAGCCTCCTCCGCTCTTCCACTTTGACTTAGTATTTTCCCCCTCTTCTTCTC  
 CACATCCTCTTCTGATTCTTGGTGGTCTGAGGAGGAGGAGGTGCCCTCTGGTGTGAT  
 ACCAAATCTTACCGAGAGCATTCCAGTAGTCCTCCACAGGGTCTCCACAGGGTCTTTC  
 CCAGAGTCTCTGAGCTCCTGCTCCTCTTTTTTTCATGGAGCTCATTAGTGGAGGATC  
 CAGCAGCCAGAAAGGGGAGGATACAGGCACCTGTCAGGGCCTGCCAGACAGTGAATCCTC  
 TTTACATATACTAGATGAAAAGGTGGCCGAGTTAGTGGAGTTCCTGCTCCTCAAATA  
 CGAAGCAGAGGAGCCTGTAACAGAGGCAGAGATGCTGATGATTGTCATCAAGTACAAAGA  
 TTAATTTCTGTGATACTCAAGAGAGCCCGTAGTTCATGGAGCTTTCTTTTGGCGTTG  
 CCCTGATAGAAGTGGCCCTGACCACTTCTGTGTGTTTTGCAAACACAGTAGGCCTCACCG  
 ATGAGGGTAGTGATGATGAGGGCATGCCCGAGACAGCCTCCTGATTATTATCCTGAGTG  
 GGATCTTCATAAAGGGCAACTGTGCCTCTGGAGAGTTCATCTGGGTAGTGCCTGAT

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' genomic read for NM_016249 unedited GCCTTTTGGGGATGGNCAACTTCCCAGGTTCAGGGNAGCACTGGGGGAGGGTCACAGGGA TGCCACCCGGGTATCTGTTTCAGGNAACAGCTGTGACCGCGCCGCAATCTAGAGTCGA GTTTTTTTTTTTTTTTTTATTAAGATTTAATTTCTGCTACTTTCTTCAACAAGCTAAGC AAAGCCAGGTATATATAATTTTCAAGAACAAAAGAATAAGCAGGACATGGAAATGAACT ACTGACCACCTTCAGGTGGGGTCCACTATTTAACTGCTGAGTTATTGCACATTGTAAA AAAAAAAAAAAAATGCCTATTACAATACCACACTACCCTGTTACAGATCACAAAATAAGG AGAAGGTATTTCCATTTTTTAAACAAAATATCAAAGTGTACTCTTAAACAGATAAAGA GCAATACATGTGCGACTAATATTCATAAAATTAACACTCTGAAGCTAACTACCTGCTATTC AAAGGAAAAGCATTTAGAAAATACTGAAAAACAGGTAATCTCTACATCACCCATATGGG ACAGAAATGCAAAGAACACTACGTTCTCGAGCCCCACCTGGCCCTCCACTACCTAGAAC CTAAACTGCCCTGTTCAAACACAAGGGGAAAGAAGTATCCTAGACTTCACTCANAAAAGG AGACGTTGCTGGACATGACACTGAGGCTTTCAGTGGCCATGACAGTGGCATCATCTGCGG TATCAATTGTGGCTGGACTCTCTTTCACATCTTTCAAGCATCCTTGCCAGGATGGAA AGGACTANGNACAGTGTGTTTCAGCTTGGCTAAAAGTCTAGTACTTTCTTCTTGAGCCTT CTGAAGGGCTCTGGGCCCCACAGGAATCACTATATGGGAGAGAAGTGTGGGGACCTTC CGAACTCCACGTAATGCCCT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_016249
<b>Insert Size:</b>	1734 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>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_016249.2</a> , <a href="#">NP_057333.1</a>
<b>RefSeq Size:</b>	2021 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	51438
<b>UniProt ID:</b>	<a href="#">Q9UBF1</a>
<b>Cytogenetics:</b>	Xq27.2

**Gene Summary:**

This gene is a member of the MAGEC gene family. It is not expressed in normal tissues, except for testis, and is expressed in tumors of various histological types. This gene and the other MAGEC genes are clustered on chromosome Xq26-q27. [provided by RefSeq, Oct 2009]