

## Product datasheet for **SC303187**

### MAGEB3 (NM\_002365) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEB3 (NM_002365) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEB3
Synonyms:	CT3.5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_002365 edited  
TATCACCTGCCCTTCTGCTGACACTCCTGCCTGCTGTTCTCGACTACAGCCATCATGCCT  
CGGGGTCAGAAGAGTACGCTCCATGCACGTGAGAAACGCCAGCAGACCCGGGGTCAGACC  
CAGGATCACAGGGTGCTCAGATCACTGCAACTACAAGAAAAAGTATCCTTTTCATCC  
CCTCTTATTTGGGGCTACTATCCAGAAAAAGTCTGCTGGTAGGTCACGTAGTGCCTCTC  
AAGAAGCCTCAGAGAGCACTATCCACCACTACATCTGTAGATGTTTCTTACAAAAAGTCA  
TACAAGGGAGCCAACAGCAAAATTGAGAAAAAGCAAAGCTTCTCTCAGGGTCTATCCTCC  
ACTGTGCAGTCTCGCACAGACCCTAATCATGAAGACAAATATGTTGGTGCAGTTCCTG  
ATGGAAATGTACAAGATGAAAAAGCCATTATGAAAGCAGATATGCTAAAAATTGTCCAA  
AAAAGCCATAAGAATTGCTTCCCTGAGATCCTTAAAAAGCTTCTTCAACATGGAGGTG  
GTATTTGGTGTGATTTAAAGAAAGTTGATTCTACCAAGGACTCCTATGTCCTTGTGAGC  
AAAATGGATCTCCCAACAATGGGACAGTGACTCGTGGGAGGGGATTTCCAAGACAGGT  
CTCCTGCTGAATCTCCTGGGCGTGATCTTCATGAAGGGCAACTGTGCCACTGAGGAGAAG  
ATCTGGGAATTCCTGAATAAGATGAGAATATATGATGGGAAGAAACACTTCATATTTGGG  
GAGCCCAGAAAGCTCATCACCAAGATTTGGTGAAGCTTAAATACCTGGAGTACCGACAA  
GTGCCAACAGTAATCCTGCACGCTATGAATCCTGTGGGGTCCAAGAGCCCATGCTGAA  
ACCAGCAAGATGAAGTCCTGGAGTTTTGGGCCAAGGTCAATAAACTGTCCCAGTGGC  
TTCCAGTTCTGGTATGAAGAGCCTTTGAGAGATGAGGAAGAAAGAGTCCAAGCTGCAGCT  
ATGCTCAATGATGGCAGTAGTCCATGGGCAGAAAGTTCCTCAAGGCCAAGGCTAGCAGC  
TCTTCCCAGCCTAGTGAAGTTGAAGCAAATTTGCATTTTGTGTTAAAGAGGGCAGTC  
ACTGTTCCAAGGAGTGAAGGACTGGGTGTTACTGGAGGGAACACACTGTATAATACCTTT  
TGTTTTCTGTTCTAAATGGATAATTTGAAGTTTTATCTGTATTTTGGGCATATTTTCAA  
ATGTTCTTTTATTTAACATTGTAATCTAAGTTTAGGATTGATACTGGTCACATTTGTTG  
TTTAAGAGTAAAAATTTGCTGTTTTGAAAACAGATTGAGAAAAATTCGATCTTATTTA  
GTGATCTGTTGCAAGATAACTTGAATTAGAATAAGCATTTCTTAAAAATGTTTAAAAA  
AAAAAGTCAGCAGTAAAAATGTATGCCATTAAGAAATAGAGAAAGAGTGAAGATGGTCAA  
TA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_002365 unedited GTTAGAATTTGTATACGACTCATATAGGCGGCCGCTCTAGCCCTGCCTTATCACCTGCC TTCTGCTGACACTCCTGCCTGCTGTTCTGACTACAGCCATCATGCCTCGGGTCAGAAG AGTACGCTCCATGCACGTGAGAAACGCCAGCAGACCCGGGGTCAGACCCAGGATCACCAG GGTGCTCAGATCACTGCAACTAACAGAAAAAGTATCCTTTTCATCCCCTTTATTTTG GGGGCTACTATCCAGAAAAAGTCTGCTGGTAGGTCACGTAGTCTCAAGAAGCCTCAG AGAGCACTATCCACCACTACATCTGTAGATGTTTCTTACAAAAAGTCATACAAGGGAGCC AACAGCAAAATTGAGAAAAAGCAAAGCTTCTCTCAGGGTCTATCCTCCACTGTGCAGTCT CGCACAGACCCTTAATCATGAAGACAAATATGTTGGTGCAGTTCCTGATGGAATGTAC AAGATGAAAAAGCCATTATGAAAGCAGATATGCTAAAAATTGTCCAAAAAGCCATAAG AATTGCTTCCCTGAGATCCTTAAAAAGCTTCTTCAACATGGAGGTGGTATTTGGTGT GATTTAAAGAAAGTGATTCTACCAAGGACTCCTATGCTTGTGAGCAAAATGGATCTC CCCAACATGGGACAGTGACTCGTGGGAGGGGATTTCCAAGACAGTCTCCTGCTGAATCT TCTGGCGTGATCTTCATGAAAGGCAACTGTGCCACTGAGGAGGAAGATCTGGGAATCCC TGATAAGAGAGAATATATGATGGGAAAGAAACACTTCATATTTGGGAGCCAGAAAGGC TCATCACCCAGAAATTTGTTGAAGCTAAATACCTGGAGTACCCCA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_002365
<b>Insert Size:</b>	1500 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>	<u><a href="#">NM_002365.3</a></u> , <u><a href="#">NP_002356.2</a></u>
<b>RefSeq Size:</b>	2303 bp
<b>RefSeq ORF:</b>	1041 bp
<b>Locus ID:</b>	4114
<b>UniProt ID:</b>	<u><a href="#">O15480</a></u>
<b>Cytogenetics:</b>	Xp21.2

**Gene Summary:**

This gene is a MAGE-B subfamily member of the MAGE gene family. MAGE family member proteins direct the expression of tumor antigens recognized on a human melanoma by autologous cytolytic T lymphocytes. There are two known clusters of MAGE genes on chromosome X. The members of the MAGE-A subfamily are located in the Xq28 region, while the members of the MAGE-B subfamily are clustered in the Xp21 region. [provided by RefSeq, Jul 2008]