

## Product datasheet for **SC123861**

### **MAGEB1 (NM\_177404) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAGEB1 (NM_177404) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEB1
Synonyms:	CT3.1; DAM10; MAGE-Xp; MAGEL1
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\_177404 edited  
 GGCGGATTTGGGTGAGCAGGCGGAAGTCGTCAGGCTGCTAGATACTAAGGTGCCACAT  
 CTCCTGCCTTTCTGCTCACTTTCTGCCTGTTTTGCCTGACCACAGCCATCATGCCTCGG  
 GGTGAGAAGAGTAAGCTCCGTGCTCGTGAGAAACGCCGAAGGCGGAGAGGAGACCCAC  
 TATCTCAAGGTTGCTCACGCCACTGCAGCAGAGAAAGAGGAGTGCCCTCCTCCTCCTCT  
 GTTTTAGGGGATACTCCACAAGCTCCCTGCTGCTGGCATTCCCAGAAGCCTCAGGGA  
 GCTCCACCCACCACCCTGCTGCTGAGCTGTGTATGTACCGAATCTGACGAAGGTGCC  
 AAATGCCAAGGTGAGAAAATGCAAGTTTCTCCAGGCCACAACATCCACTGAGAGCTCA  
 GTCAAAGATCCTGTAGCCTGGGAGGCAGGAATGCTGATGCACTTCATTCTACGTAAGTAT  
 AAAATGAGAGAGCCATTATGAAGGCAGATATGCTGAAGGTTGTTGATGAAAAGTACAAG  
 GAGTACTTCACTGAGATCCTCAATGGAGCCTCTCGCCGCTTGGAGCTCGTCTTTGGCCTT  
 GATTTGAAGGAAGACAACCCTAGTGGCCACACCTACACCCTCGTCAGTAAGCTAAACCTC  
 ACCAATGATGGAAACCTGAGCAATGATTGGGACTTTCCAGGAATGGGCTTCTGATGCCT  
 CTCCTGGGTGTGATCTTCTAAAGGGCAACTCTGCCACCGAGGAAGAGATCTGGAATTC  
 ATGAATGTGTTGGGAGCCTATGATGGAGAGGAGCACTTAATCTATGGGGAACCCCGTAAG  
 TTCATCACCCAAGATCTGGTGCAGGAAAAATATCTGAAGTACGAGCAGGTGCCAACAGT  
 GATCCCCCAGCTATCAATTCCTATGGGGTCCGAGAGCCTATGCTGAAACCACCAAGATG  
 AAAGTCTCGAGTTTTGGCCAAGATGAATGGTGCCACTCCCCGTGACTCCCATCCCAT  
 TATGAAGAGGCTTTGAGAGATGAGGAAGAGAGAGCCCAAGTCCGATCCAGTGTTAGAGCC  
 AGGCGTCGCACTACTGCCACGACTTTTAGAGCGGTTCTAGAGCCCCATTCAGCAGGTCC  
 TCCCACCCATGTGAGAACTCAGGCAGATTGTTCACTTTGTTTTGTGGCAAGATGCCAA  
 CCTTTTGAAGTAGTGAGCAGCAAGATATGGCTAGAGAGATCATCATATATATCTCCTTT  
 GTGTTCTGTTAAACATTAGTATCTTTCAAGTGTTTTTCTTTAATAAGAATGTTTTATTTA  
 GAGTTGGGATCTATGTCTATGAGCGACATGGATCACACATTTATTGGTGTGCCAGCTTT  
 AAGCATAAAGATTTTATGATTCTATATTTTTCAAATCCTGAATCTTTTTGGGTGAAG  
 AAGAAGAAAGCATAGCTTTAGAATAGAGATTTTCTCAGAAATGTGTGAAAGAACCCTCACA  
 CAACATAATTGGAGTCTTAAATAGAGGAAGAGTAAGCAAAGCATGTCAAGTTTTTGT  
 TCTGCATTCAAGTTTTGTTTTGTAAAATCCAAAGATACATACCTGGTTGTTTTAGCCTT  
 TTCAAGAATGCAGATAAAATAAATAGTAATAAATTAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_177404 unedited  
 GTTCAGGATTTGTATACGACTCACTATAGGCGGCCGCGATTCCCGGNAATCGTCGACCC  
 ACGCGTCCGGGCGGATTTGGGTGAGCAGGCGGAAGTCGTCAGGCTGCTAGATACTAAG  
 GTGCCACATCTCCTGCCTTTCTGCTCACTTTCTGCCTGTTTTGCCTGACCACAGCCATC  
 ATGCCTCGGGTCAAGAGTAAGCTCCGTGCTCGTGAGAAACGCCGAAGGCGCGAGAG  
 GAGACCCAGGGTCTCAAGTTGCTCACGCCACTGCAGCAGAGAAAGAGGAGTGCCCTCC  
 TCCTCCTGTTTTAGGGGATACTCCACAAGTCCCTGCTGCTGGCATTCCCAGAAG  
 CCTCAGGGAGCTCCACCCACCACCCTGCTGCTGAGCTGTGTATGTACCGAATCTGAC  
 GAAGGTGCCAAATGCCAAGGTGAGGAAAATGCAAGTTTCTCCAGGCCACAACATCCACT  
 GAGAGCTCAGTCAAAGATCCTGTAGCCTGNGAGGCAGGAATGCTGATGCACTTCATTCTA  
 CGTAAGTATAAAATGAGAGAGCCATTATGAAGGCAGATATGCTGAAGGTTGTTGATGAA  
 NAGTACAAGGATCACTTCACTGAGATCCTCAATGGAGCCTCTCGCCGCTTGGAGCTCNGT  
 CTTGGCCTTGATTTGAAGGAAGACAACCCTAATGGCCACACCTACACCCTCGTCAGTAAG  
 CTAACCTCACCATGATGGAAACCTGAGCAATGATGGGGACTTTCCAGGAATGGCCTCT  
 GATGCCTCCTGGTGTGATCTTCTTAAGGGCACTTTGCCCGAGGAGGAATCTGGAAT  
 TCCTGATTGTGTTGGAAGCCATGATGGAGAGGAGCACTTAATCTTGGGGAACCCCGGAG  
 TTCACACCCAGATCTGTGGCAGGAG

**Restriction Sites:** Please inquire  
**ACCN:** NM\_177404  
**Insert Size:** 1650 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_177404.1</a> , <a href="#">NP_796379.1</a>
<b>RefSeq Size:</b>	1722 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	4112
<b>UniProt ID:</b>	<a href="#">P43366</a>
<b>Cytogenetics:</b>	Xp21.2
<b>Gene Summary:</b>	<p>This gene is a member of the MAGEB gene family. The members of this family have their entire coding sequences located in the last exon, and the encoded proteins show 50 to 68% sequence identity to each other. The promoters and first exons of the MAGEB genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. This gene is localized in the DSS (dosage-sensitive sex reversal) critical region, and expressed in testis and in a significant fraction of tumors of various histological types. This gene and other MAGEB members are clustered on chromosome Xp22-p21. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene, however, the full length nature of some variants has not been defined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks three 5' exons but has an alternate 5' exon, as compared to variant 1. Variants 1, 2 and 3 all have the same last exon and encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>