

## Product datasheet for RC215656

### MAGEB1 (NM\_002363) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAGEB1 (NM\_002363) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MAGEB1  
**Synonyms:** CT3.1; DAM10; MAGE-Xp; MAGEL1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC215656 representing NM\_002363  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCTCGGGT**CAGAAGAGTAAGCTCCGTGCTCGTGAGAAACGCCGCAAGGCGCGAGAGGAGACCCAGG**  
**GTCTCAAGTTGCTCACGCCACTGCAGCAGAGAAAGAGGAGTGCCCTCCTCCTCCTGTTTTAGGGGA**  
**TACTCCACAAGCTCCCCTGCTGCTGGCATTCCCAGAAGCTCAGGGAGCTCCACCCACCACCCTGCT**  
**GCTGCAGCTGTGCATGTACCGAATCTGACGAAGTGCCAAATGCCAAGGTGAGGAAAATGCAAGTTTCT**  
**CCCAGGCCACAACATCCACTGAGAGCTCAGTCAAAGATCCTGTAGCCTGGGAGGCAGGAATGCTGATGCA**  
**TTTCATTCTACGTAAGTATAAAATGAGAGAGCCATTATGAAGGCAGATATGCTGAAGGTTGTTGATGAA**  
**AAGTACAAGGATCACTTCACTGAGATCCTCAATGGAGCCTCTCGCCGCTTGGAGCTCGTCTTTGGCCTTG**  
**ATTTGAAGGAAGACAACCCTAGTGGCCACACCTACACCCTCGTCAGTAAGCTAAACCTCACCAATGATGG**  
**AAACCTGAGCAATGATTGGGACTTTCCAGGAATGGGCTTCTGATGCCTCCTGGGTGTGATCTTCTTA**  
**AAGGGCAACTCTGCCACCGAGGAAGAGATCTGGAAATTCATGAATGTGTTGGGAGCCTATGATGGAGAGG**  
**AGCACTTAATCTATGGGGAACCCGTAAGTTCATACCCAAGATCTGGTGAGGAAAAATATCTGAAGTA**  
**CGAGCAGGTGCCAACAGTGATCCCCACGCTATCAATTCCTATGGGGTCCGAGAGCCTATGCTGAAACC**  
**ACCAAGATGAAAGTCTCGAGTTTTGGCCAAGATGAATGGTGCCACTCCCCTGACTTCCCATCCCATT**  
**ATGAAGAGGCTTTGAGAGATGAGGAAGAGAGAGCCCAAGTCCGATCCAGTGTTAGAGCCAGGCGTCGCAC**  
**TACTGCCACGACTTTTAGAGCGGTTCTAGAGCCCCATTGAGAGGTCCTCCACCCCATG**

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

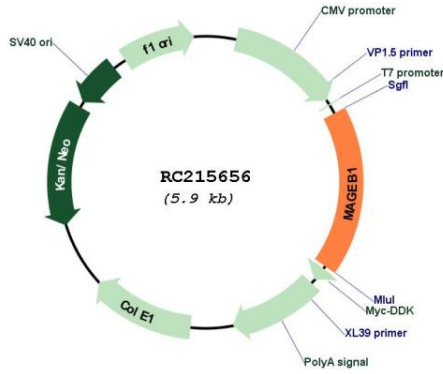


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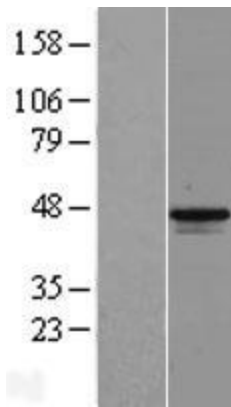


<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, 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_002363.5</a>
<b>RefSeq Size:</b>	1865 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>MW:</b>	38.9 kDa
<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>

Product images:



Circular map for RC215656



Western blot validation of overexpression lysate (Cat# [LY406154]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC224906] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).