

## Product datasheet for **RG206060**

### **MAGEB4 (NM\_002367) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEB4 (NM_002367) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGEB4
Synonyms:	CT3.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206060 representing NM_002367 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTCGGGTCAGAAGAGTAAGCTCCGTGCCGTGAGAAACGCCAGCGGACCCGTGGTCAGACCCAGG  
ATCTCAAGGTTGGTCAGCCTACTGCAGCAGAGAAAGAAGAGTCTCCTTCCCCTTCCCTCATCTGTTTTGAG  
GGATACTGCCTCCAGCTCCCTTGCTTTTGGCATTCCCCAGGAGCCTCAGAGAGAGCCACCCACCCTCT  
GCTGCTGCAGCTATGTCATGCACTGGATCTGATAAAGGCGACGAGAGCCAAGATGAGGAAAATGCAAGTT  
CCTCCCAGGCCTCAACATCCACTGAGAGATCACTCAAAGATTCTCTAACCAGGAAGACGAAGATGTTAGT  
GCAGTTTCTGTACAAGTATAAAATGAAAGAGCCCACTACAAAGGCAGAAATGCTGAAGATCATCAGC  
AAAAAGTACAAGGAGCACTTCCCTGAGATCTTCAGGAAAGTCTCTCAGCGCACGGAGCTGGTCTTTGGCC  
TTGCCCTGAAGGAGGTCAACCCCACTCACTCCTACATCCTCGTCAGCATGCTAGGCCCAACTATGG  
AAACCAGAGCAGTGCCTGGACCCCTCAAGGAATGGGCTTCTGATGCCTCTACTGAGTGTGATCTTCTTA  
AATGGCACTGTGCCGTGAAGAGGAAATCTGGGAATTCCTGAATATGCTGGGATCTATGATGGAAAGA  
GGCACCTATCTTTGGGAACCCCGAAAGCTCATCACCAAGATCTGGTGCAGGAAAAATATCTGGAATA  
CCAGCAGGTGCCAACAGTGATCCCCACGCTATCAATTCTGTGGGGTCCAAGAGCTCATGCAGAAACC  
AGCAAGATGAAAGTCTGGAGTTTTTGGCCAAGGTGAATGACACCACCCCAATAACTTCCCACCTCTTT  
ATGAAGAGGCTTTGAGAGATGAAGAAGAGAGAGCTGGAGCCCGCCAGAGTTGCAGCCAGGCGTGGCAC  
TACAGCCATGACTAGTGCGTATTCCAGGGCCACATCCAGTAGCTCTTCCAACCCATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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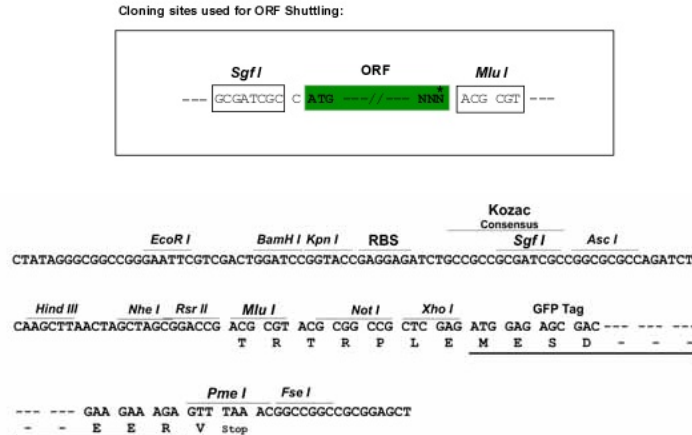
**Protein Sequence:** >RG206060 representing NM\_002367  
 Red=Cloning site Green=Tags(s)

MPRGQKSKLRAREKRQRTRGQTQDLKVGQPTAAEKEESPPSSSVLRDTASSSLAFGIPQEPQREPPTTS  
 AAAAMSGTGSQDEENASSQASTSTERSLKDSLTRKTKMLVQFLLYKYKMKPTTKAEMLKIIIS  
 KKYKEHFPEIFRKVSQRTELVFGLALKEVNPTTHSYILVSMLGPNYGNQSSAWTLPRNGLLPLLSVIFL  
 NGNCAREEEIWEFLNMLGIYDGKRHLIFGEPKRLITQDLVQEKYLEYQQVPNSDPPRYQFLWGPRAHAET  
 SKMKVLEFLAKVNDTTPNNFPLLYEEALRDEEERAGARPRVAARRGTTAMTSAYSRRATSSSSSQPM

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_002367

**ORF Size:** 1038 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_002367.2](#), [NP\\_002358.1](#)

**RefSeq Size:** 2142 bp

**RefSeq ORF:** 1041 bp

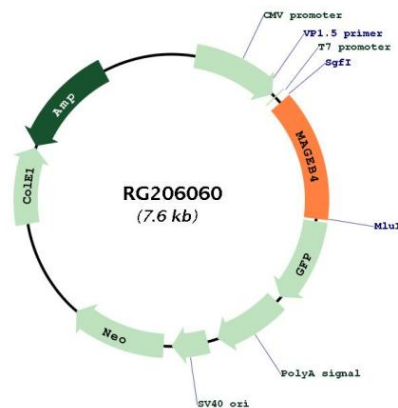
**Locus ID:** 4115

**UniProt ID:** [O15481](#)

**Cytogenetics:** Xp21.2

**Gene Summary:** 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. The MAGEB genes are clustered on chromosome Xp22-p21. This gene sequence ends in the first intron of MAGEB1, another family member. This gene is expressed in testis. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG206060