

## Product datasheet for **RG201760**

### **MAGEA9 (NM\_005365) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAGEA9 (NM\_005365) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MAGEA9  
**Synonyms:** CT1.9; MAGE9  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG201760 representing NM\_005365  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCTCTCGAGCAGAGGAGTCCGCACTGCAAGCCTGATGAAGACCTTGAAGCCCAAGGAGAGGACTTGG  
 GCCTGATGGGTGCACAGGAACCCACAGGCGAGGAGGAGACTACCTCCTCCTGACAGCAAGGAGGA  
 GGAGGTGTCTGCTGGTTCATCAAGTCTCCAGAGTCTCAGGGAGGCGCTTCTCCTCCATTTC  
 GTCTACTACACTTTATGGAGCAATTCGATGAGGGCTCCAGCAGTCAAGAAGAGGAAGAGCAAGCTCCT  
 CGGTCGACCCAGCTCAGCTGGAGTTCATGTTCCAAGAAGCACTGAAATTGAAGGTGGCTGAGTTGGTTCA  
 TTTCTGCTCCACAAATATCGAGTCAAGGAGCCGGTACAAAGGCAGAAATGCTGGAGAGCGTCATCAA  
 AATTACAAGCGCTACTTTCTGTGATCTTCGGCAAGCCTCCGAGTTCATGCAGGTGATCTTTGGCACTG  
 ATGTGAAGGAGGTGGACCCCGCCGCACTCCTACATCCTTGTCACTGCTTGGCTCTCGTGGCAGATG  
 CATGCTGGGTGATGGTCATAGCATGCCAAGGCCGCCCTCCTGATCATTGTCTGGGTGTGATCCTAACC  
 AAAGACAAGTGCAGCCCTGAAGAGGTTATCTGGGAAGCGTTGAGTGTGATGGGGTGTATGTTGGGAAGG  
 AGCACAATGTTCTACGGGAGCCAGGAAGCTGCTACCCAAGATTGGGTGCAGGAAAACCTACCTGGAGTA  
 CCGGCAGGTGCCCGCAGTATCCTGCGCACTACGAGTTCCTGTGGGGTCCAAGGCCACGCTGAAACC  
 AGCTATGAGAAGGTCATAAATTTGGTCATGCTCAATGCAAGAGAGCCCATCTGCTACCCATCCCTTT  
 ATGAAGAGGTTTTGGGAGAGGAGCAAGAGGGAGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG201760 representing NM\_005365  
 Red=Cloning site Green=Tags(s)

MSLEQRSPHCKPDEDLEAQGEDLGLMGAQEPTGEEEEETSSSDSKEEEVSAAGSSSPQSPQGGASSIS  
 VYYTLWSQFDEGSSSQEEEEPPSSVDPAQLFEMFQEALKLKVAELVHFLHLHKYRVKEPVTKAEMLESVIK  
 NYKRYFPVIFGKASEFMQVIFGTDVKEVDPAGHSYILVTALGLSCDSMLGDGHSMPKAALLIIVLGVILT  
 KDNCAPEEVIWEAL SVMGVYVVGKEHMFYGEPRKLLTQDWVQENYLEYRQVPGSDPAHYEFLWGSKAHAET  
 SYEKVINYLVMNLNAREPICYPSTLYEEVLGEEQEGV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005365

**ORF Size:** 945 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\\_005365.4](#), [NP\\_005356.1](#)

**RefSeq Size:** 1824 bp

**RefSeq ORF:** 948 bp

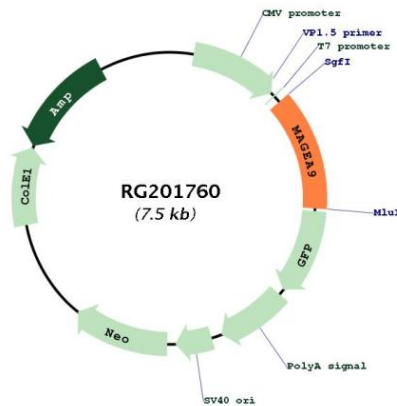
**Locus ID:** 4108

**UniProt ID:** [P43362](#)

**Cytogenetics:** Xq28

**Gene Summary:** This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG201760