

## Product datasheet for **RG203064**

### **MAGEE1 (MAGEC2) (NM\_016249) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEE1 (MAGEC2) (NM_016249) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGEE1
Synonyms:	CT10; HCA587; MAGEE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203064 representing NM_016249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCTCCGTTCCAGGCGTTCCATTCCGCAACGCTGACAACGACTCCCCGACCTCAGTTGAGTTAGAAG  
ACTGGGTAGATGCACAGCATCCCACAGATGAGGAAGAGGAGGAAGCCTCCTCCGCCTCTTCCACTTTGTA  
CTTAGTATTTCCCCCTTTCTTTCTCCACATCCTTTCTCTGATTCTTGGTGGTCTGAGGAGGAGGAG  
GTGCCCTCTGGTGTGATACCAAATCTTACCGAGAGCATTCCAGTAGTCTCCACAGGCTCTCCACAGG  
GTCCTTCCAGAGTCTCTGAGCTCCTGCTGCTCCTCTTTTTCATGGAGCTCATTGAGTGGAGTCCAG  
CAGCCAGAAAGGGGAGGATACAGGCACCTGTCAGGGCCTGCCAGACAGTGAAGTCTTTTACATATACA  
CTAGATGAAAAGGTGGCCGAGTTAGTGGAGTTCCTGCTCCTCAAATACGAAGCAGAGGAGCCTGTAACAG  
AGGCAGAGATGCTGATGATTGTCATCAAGTACAAGATTACTTTTCTGTGATACTCAAGAGAGCCCGTGA  
GTTTCATGGAGCTTCTTTTGGCCTTGGCCTGATAGAAGTGGGCCCTGACCACTTCTGTGTGTTTGC  
ACAGTAGGCCTCACCGATGAGGGTAGTATGATGAGGGCAGCCGAGAACAGCCTCCTGATTATTATTC  
TGAGTGTGATCTTCATAAAGGGCAACTGTGCCTCTGAGGAGGTCATCTGGGAAGTCTGAATGCAGTAGG  
GGTATATGCTGGGAGGAGCACTTCGTCTATGGGAGCCTAGGGAGCTCCTCACTAAAGTTGGGTGCAG  
GGACATTACCTGGAGATCGGGAGGTGCCACAGTTCTCCTCATATTGAAATCCTGTGGGGTCCAA  
GAGCCCATTCAGAAAGCATCAAGAAGAAAGTACTAGAGTTTTTAGCCAAGCTGAACAACACTGTTCCCTAG  
TTCTTTCCATCCTGGTACAAGGATGCTTTGAAAGATGTGGAAGAGAGAGTCCAGGCCACAAATTGATACC  
GCAGATGATGCCACTGTCATGGCCAGTAAAGCCTCAGTGTGATGTCAGCAACGCTCCTTTTCTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203064 representing NM\_016249  
 Red=Cloning site Green=Tags(s)

MPPVPGVPFRNADNDSPTSVELEDWVDAQHPTDEEEEEASSASSTLYLVFSPSSFSTSSSLILGGPEEEE  
 VPSGVIPNLTESIPSSPPQGPQGPSQSPLSSCCSFSWSFSSESSSQKGEDTGCQGLPDESSSFTYT  
 LDEKVAELVEFLLLKYEAEPEVTEAEMLMIVIKYKDYFPVILKRAREFMELLFGLALIEVGPDPDFCVFAN  
 TVGLTDEGSDDEGMPENSLIIILSVIFIKGNCASEEVIWEVLNAVGVYAGREHFVYGEPRELLTKVWVQ  
 GHYLEYREVPHSSPPYYEFLWGPRAHSESIIKKVLEFLAKLNNTPSSFPSSWYKDALKDVEERVQATIDT  
 ADDATVMASELSVMSSNVSFSE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_016249

**ORF Size:** 1119 bp

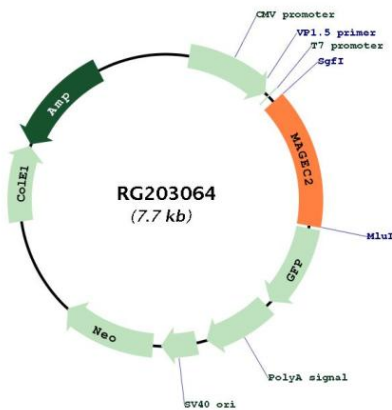
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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_016249.2</a> , <a href="#">NP_057333.1</a>
<b>RefSeq Size:</b>	2021 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	51438
<b>UniProt ID:</b>	<a href="#">Q9UBF1</a>
<b>Cytogenetics:</b>	Xq27.2
<b>Gene Summary:</b>	This gene is a member of the MAGEC gene family. It is not expressed in normal tissues, except for testis, and is expressed in tumors of various histological types. This gene and the other MAGEC genes are clustered on chromosome Xq26-q27. [provided by RefSeq, Oct 2009]

## Product images:



Circular map for RG203064