

## Product datasheet for **RG215411**

### **MAGEA9 (MAGEA9B) (NM\_001080790) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA9 (MAGEA9B) (NM_001080790) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGEA9B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215411 representing NM_001080790 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTCTCGAGCAGAGGAGTCCGCACTGCAAGCCTGATGAAGACCTGAAGCCCAAGGAGAGGACTTGG  
GCCTGATGGGTGCACAGGAACCCACAGGCGAGGAGGAGGAGACTACCTCCTCCTCTGACAGCAAGGAGGA  
GGAGGTGTCTGCTGCTGGGTCACTAAGTCCTCCCAGAGTCCTCAGGGAGGCGCTTCTCCTCCATTTCC  
GTCTACTACACTTTATGGAGCCAATTCGATGAGGGTCCAGCAGTCAAGAAGAGGAAGAGCCAAGCTCCT  
CGGTCGACCCAGCTCAGCTGGATTTCATGTTCCAAGAAGCACTGAAATTGAAGGTGGCTGAGTTGGTTCA  
TTTCTGTCCACAAATATCGAGTCAAGGAGCCGGTCCACAAAGGCAGAAATGCTGGAGAGCGTCATCAAA  
AATTACAAGCGCTACTTTCTGTGATCTTCGGCAAAGCCTCCGAGTTCATGCAGGTGATCTTTGGCACTG  
ATGTGAAGGAGGTGGACCCCGCCGCACTCCTACATCCTTGTCAGTCTTGGCCTCTCGTGCGATAG  
CATGCTGGGTGATGGTCATAGCATGCCAAGGCCGCCCTCCTGATCATTGTCTGGGTGTGATCCTAACC  
AAAGACAACCTGCGCCCTGAAGAGGTTATCTGGGAAGCGTTGAGTGTGATGGGGGTGATGTTGGGAAGG  
AGCACATGTTCTACGGGGAGCCAGGAAGCTGCTCACCAAGATTGGGTGCAGGAAAACCTACCTGGAGTA  
CCGGCAGGTGCCCGCAGTATCCTGCGCACTACGAGTTCCTGTGGGGTCCAAGGCCACGCTGAAACC  
AGCTATGAGAAGGTCATAAATTATTTGGTCATGCTCAATGCAAGAGGCCATCTGCTACCCATCCCTTT  
ATGAAGAGGTTTTGGGAGAGGAGCAAGAGGGAGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG215411 representing NM\_001080790  
 Red=Cloning site Green=Tags(s)

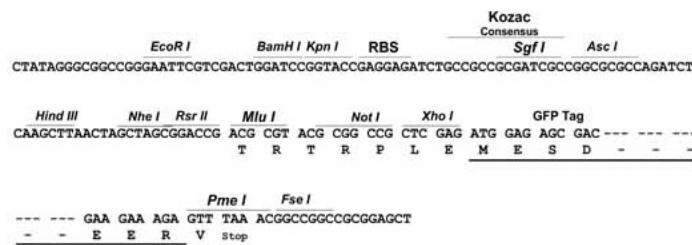
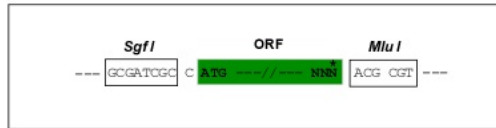
MSLEQRSPHCKPDEDLEAQGEDLGLMGAQEPTGEEEEETSSSDSKEEEVSAAGSSSPQSPQGGASSIS  
 VYYTLWSQFDEGSSSQEEEEPPSSVDPQAQLFQALKLKVAELVHLLHKYRVKPEVTKAEMLESVIK  
 NYKRYFPVIFGKASEFMQVIFGTDVKEVDPAGHSYILVTALGLSCDSMLGDGHSMPKAALLIIVLGVILT  
 KDNCAPEEVIWEALSVMGVYVVGKEHMFYGEPRKLLTQDWVQENYLEYRQVPGSDPAHYEFLWGSKAHAET  
 SYEKVINYLVMNLNAREPICYPSLYEEVLGEEQEGV

TRTRPLE - GFP Tag - V

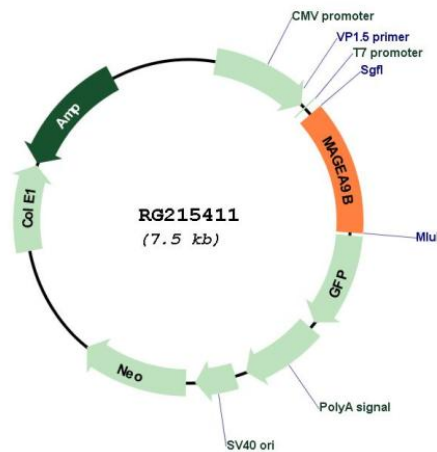
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001080790

**ORF Size:** 945 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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_001080790.1</a> , <a href="#">NP_001074259.1</a>
<b>RefSeq Size:</b>	1814 bp
<b>RefSeq ORF:</b>	948 bp
<b>Locus ID:</b>	728269
<b>UniProt ID:</b>	<a href="#">P43362</a>
<b>Cytogenetics:</b>	Xq28
<b>Gene Summary:</b>	MAGEA9B is a duplication of the MAGEA9 gene (MIM 300342) on chromosome Xq28. The 2 copies are separated by about 194 kb (Hartz, 2009).[supplied by OMIM, Mar 2009]