

## Product datasheet for **RR212408**

### Rgma (NM\_001107524) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rgma (NM\_001107524) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rgma  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212408 representing NM\_001107524  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCCGCAAGGGAGAGGCTAGTGGTAAACAGGCCGAGCTGGATGGATGGGTATGGGGAGAGGGGACAG  
GACGTTACAGCCCTGGGATTGTGGCCGACCCTCGCTTCTCTCTGCAGCTTTCCCGCAGCTATCTCTCC  
CTGCAAGATCCTCAAGTCAACTCTGAGTCTGGAGCGCCACGTGTCAGGCAGCCACGCCCTGCCTCT  
GACGACGTGCCCGAGTTCTGTGCTGCCCTGCGCACCTACGCCCTGTGCACGCGACGACAGCCCGCACCT  
GCCGGGGCGACCTGGCTTACCACTCGGCTGTCCATGGCATAGAGGACCTCATGAGCCAGCACAACCTGCTC  
CAAGGATGGCCCCACCTCACAGCCTCGAGTGCGCACGCTCCCGCCAGCTGGGGACAGCCAGGAGCGCTCA  
GATAGCCCGAGATCTGCCACTATGAGAAGAGTTTCCACAAGCACTCAGCTGCCCCCACTACACTCACT  
GCGGCCTCTTTGGGGACCCACACCTCAGGACTTTCACAGACCACTCCAGACATGTAAGGTGCAAGGCGC  
TTGGCCTCTCATCGACAATAATTACCTGAACGTGCAGGTACCAATACACCTGTGCTGCCCGGCTCTGCC  
GCCACTGCCACCAGCAAGCTCACCATCATCTTCAAGAACTTCCAAGAGTGTGTGGACCAGAAAGTATACC  
AAGCCGAGATGGACGAGCTTCCGTCCGCTTTGCCGATGGCTCCAAAAACGGTGGAGATAAACACGGAGC  
CAACAGCCTGAAGATCACAGAGAAGGTGTGAGGCCAGCACGTGGAGATCCAGGCCAAGTACATCGGCACC  
ACCATCGTGGTGAGACAGGTGGGCGCTACCTGACCTTCGCCGTCCGGATGCCCGAGGAGGTAGTCAACG  
CCGTGGAGGACCGTGACAGCCAAGGCCTCTACCTGCCTGCGGGGCTGCCCGCTCAACCAGCAGATCGA  
CTTCCAGGCTTTCCGTGCCAACGCCGAGAGCCCTCGCAGGCCAGCAGCTGCCAGCCCTCTCTGTGGTC  
CCCAGACATTTCCGTACGAGACAGCTGTGGCCAAAGTCAAGAGAAAGCTGCCTGTAGAAGACTTGTACT  
ACCAGGCTGTGTCTTCGACCTCCTCACGACTGGCGACGTGAACCTCACGCTGGCCGCTACTATGCTTT  
GGAGGATGGCAAGATGCTCCACTCCAACAAGGACAAGCTACACCTGTTTGAAGGACTCGGGAGCTGCCT  
GGCGCTGTGGCCGCTGCAGCATTTCCCTTGGCCCCGAGATGCTCCCGGGCACCGTCACACTTCTGGTCC  
TGCTGCCTCTGTTCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR212408 representing NM\_001107524  
Red=Cloning site Green=Tags(s)

MQPPRERL VVTGRAGWMGMGRGAGRSALGLWPTLAFLLCSFPAAISPCKILKCNSEFW SATSSGSHAPAS  
 DDVPEFCAALRTYALCTRRARTCRGDLAYHSAVHGIEDLMSQHNC SKDGPTSQPRVRTLPPAGDSQERS  
 DSPEICHYEKSFHKHSAAPNYTHCGLFGDPHLRTFTDHFQTKVQGAWPLIDNNYLN VQVTNTPVLPGSA  
 ATATSKLTIIFKNFQECVDQKVYQAEMDELP SAFADGSKNGGDKHGANS LKITEKVSQGHVEIQAKYIGT  
 TIVVRQVGRYLTF AVRMP EEEV VNAVEDRDSQGLYLCLRGCP LNQQIDFQAFRANAESP RPAAASPSPVV  
 PETFPYETAVAKCKEKL PVEDLYYQACVFDLLTTGDVNF TLAAYYAL EDGKMLHSNKDKLHLFERTREL P  
 GAVAAAAFPLAPEMLPGTVTLLVLLPLFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

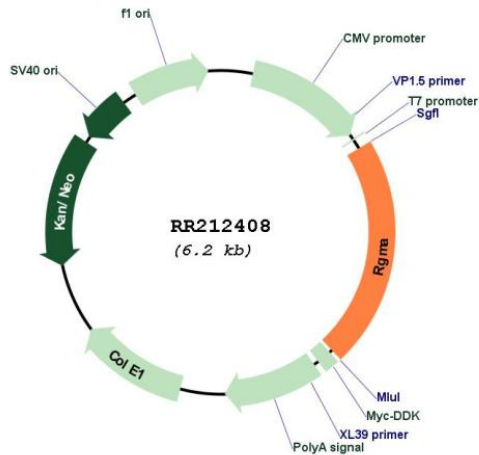
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



ACCN:	NM_001107524
ORF Size:	1347 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. <a href="#">More info</a>
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:	<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>
RefSeq:	<a href="#">NM_001107524.1</a> , <a href="#">NP_001100994.1</a>
RefSeq Size:	3485 bp
RefSeq ORF:	1350 bp
Locus ID:	308739
Cytogenetics:	1q31
MW:	49.3 kDa