

## Product datasheet for RR211021

### Rgs4 (NM\_017214) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Rgs4 (NM\_017214) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Rgs4  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR211021 representing NM\_017214  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTGCAAAGGACTCGTGGTCTGCCGGCTTCCTGCCTGAGGAGCGCAAAGGATATGAAACATCGGCTGG  
 GATTTCTGCTGCAGAAATCAGATTCCTGTGAACATAGTTCTTCACACAGCAAGAAGGACAAAGTAGTAAC  
 TTGCCAGAGGGTGAGCCAAGAAGAAGTCAAGAAATGGGCTGAATCGCTGGAAAACCTGATTAACCATGAA  
 TGTGGACTGGCAGCTTTCAAAGCTTTCCTGAAGTCAGAATACAGTGAGGAGAACATTGACTTCTGGATCA  
 GCTGTGAGGAGTACAAGAAAATCAAATCACCTTCTAAACTAAGTCCCAAGCCAAGAAGATCTACAATGA  
 GTTCATCTCTGTGCAGGCAACAAAAGAGGTGAACCTGGATTCTTGACCAGAGAGGAGACAAGCCGGAAC  
 ATGTTAGAGCCCACGATAACCTGTTTTGATGAAGCCCAGAAGAAGATTTCAACCTGATGGAAAAGGATT  
 CATACCGTCGTTTCTCAAGTCTCGATTCTATCTTGACCTGACCAATCCTCCAGCTGCGGGGCAGAGAA  
 GCAGAAAGGAGCCAAGAGTTCTGCAGACTGCACCTCCCTAGTCCCTCAGTGTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211021 representing NM\_017214  
 Red=Cloning site Green=Tags(s)

MCKGLAGLPASCLRSKMDMKHRLGFLQKSDSCEHSSSHSKDKVVTQQRVSQEEVKKWAESLENLINHE  
 CGLAAFKAFKSEYSEENIDFWISCEEYKIKSPSKLSPKAKKIYNEFISVQATKEVNLDSCTREETSRN  
 MLEPTITCFDEAQKIFNLMKEDSYRRFLKSRFYLDLNTNPSGAEKQKGAKSSADCTSLVPQCA

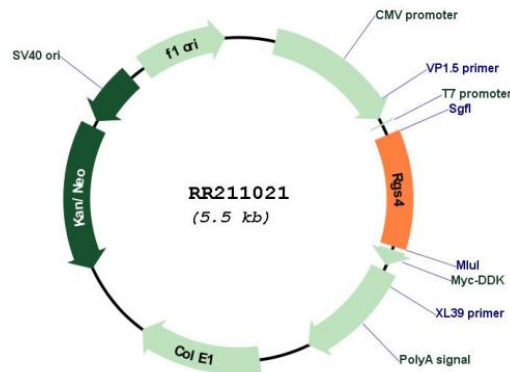
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_017214

**ORF Size:** 615 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.

<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>	<u><a href="#">NM_017214.1</a></u> , <u><a href="#">NP_058910.1</a></u>
<b>RefSeq Size:</b>	2919 bp
<b>RefSeq ORF:</b>	618 bp
<b>Locus ID:</b>	29480
<b>UniProt ID:</b>	<u><a href="#">P49799</a></u>
<b>Cytogenetics:</b>	13q24
<b>MW:</b>	23.2 kDa
<b>Gene Summary:</b>	regulates G-protein coupled receptor signaling by accelerating the inactivation of active G-proteins; may regulate dopamine D2 receptor signaling [RGD, Feb 2006]