

Product datasheet for **RN211021**

Rgs4 (NM_017214) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgs4 (NM_017214) Rat Untagged Clone
Tag: Tag Free
Symbol: Rgs4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211021 representing NM_017214
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCAAAGGACTCGTGGTCTGCCGGCTTCCTGCCTGAGGAGCGCAAAGGATATGAAACATCGGCTGG
GATTTCTGCTGCAGAAATCAGATTCCTGTGAACATAGTTCTTCACACAGCAAGAAGGACAAAGTAGTAAC
TTGCCAGAGGGTGAGCCAAGAAGAAGTCAAGAAATGGGCTGAATCGCTGGAAAACCTGATTAACCATGAA
TGTGGACTGGCAGCTTTCAAAGCTTTCCTGAAGTCAGAATACAGTGAGGAGAACATTGACTTCTGGATCA
GCTGTGAGGAGTACAAGAAAATCAAATCACCTTCTAAACTAAGTCCCAAGCCAAGAAGATCTACAATGA
GTTTCATCTCTGTGCAGGCAACAAAAGAGGTGAACCTGGATTCTTGACCAGAGAGGAGACAAGCCGGAAC
ATGTTAGAGCCCACGATAACCTGTTTTGATGAAGCCCAGAAGAAGATTTCAACCTGATGGAAAAGGATT
CATACCGTCGTTTCCTCAAGTCTCGATTCTATCTTGACCTGACCAATCCTCCAGCTGCGGGGCAGAGAA
GCAGAAAGGAGCCAAGAGTTCTGCAGACTGCACCTCCCTAGTCCCTCAGTGTGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_017214
Insert Size: 618 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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