

Product datasheet for **RN204743**

Rgs14 (NM_053764) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rgs14 (NM_053764) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rgs14
Synonyms:	MGC108631
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204743 representing NM_053764
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAGGAAGCCAAGCACTTGGGTGTCCCAACGGGCGCATGGTCTGGCTGTCTCTGATGGAGAAC
 TGACCAGCACATCAGTTCCAGGCCAGGGTGAGGGCAGAGGCAGCTCCCTCAGCATCCACAGCTCCC
 CAGTGGCCCCAGCAGCCCCTTCTCCACTGATGAGCAGCCTGTGGCCAGCTGGGCCAGTCTTTGAGCGG
 CTGCTGCAAGACCCACGGGGTCTGGCTTACTTCACTGAGTTCTGAAGAAGGAATTCAGCGCCGAGAATG
 TAACCTTCTGGCAAGCCTGCGAGCGTTTCCAACAGATCCAGCCAGCGACACCAACAGCTAGCTCAGGA
 GGCCACAACATCTACCATGAGTTCTGTCCAGCCAGGCACTGAGCCAGTGAACATCGACCGACAGGCC
 TGGCTTAGTGAGGAGTGTGGCCAGCCAGGCCGATATGTTCCGAGCACAGCAGCTTCAGATCTTCA
 ATTTGATGAAGTTCGACAGCTACGCGCGCTTCGTCAAATCCCCGCTGTACCAAGAGTGCCTGCTGGCCGA
 GGCCGAGGGACGCCCCCTGCGGGAACCTGGATCCTCACACCTCGGGAGCCCGGACACTGCGAGGAAGAAG
 CCAAAGCTGAAGCCTGGAAGTCACTGCCGCTCGGTGTGGAAGAGTTGGGGCAGCTGCCGCTTGCTGAGG
 GCCGCCCTCTCCCAAGTCCCTTTCGTAGAGAGATGCCGGTGGAGCTGTGAATTCGGCCCTGCGACGAGA
 GTCTCAGGGATCCCTGAATTCCTCCGCGAGTCTGGACCTGGGCTTCTTGCCTTTGTGAGCAGAAATCC
 GAGAGCCACCGAAAGAGCCTTGAAGTGGAGAGGGTGAGAGCGAAAGCCGGCCCGGAAGTACTGCTGCG
 TGTATCTACCTGATGGCAGGCCCTCCTTGGCCCTGGCTCGACCTGGCCTCACCATCCGTGACATGCTGGC
 AGGCATCTGTGAGAAGAGAGGCCCTCTCTACCTGACATTAAGGTCTACCTGGTGGGCAAGAACAAGAAG
 GCCCTGGTCTGGATCAGGACTGCACCGTGTGGCAGACCAGGAAGTGGACTGGAAAACAGGATCACCT
 TCCAGCTGGAGTTGGTCCGCTGGAGCGTGTGGTACGGATCTCTGCTAAGCCACCAAGCGTCTGCAGGA
 GGCGCTGCAGCCTATCTTGGCCAAGCACGCGCTGAGCCTGGATCAGGTGGTCTACACAGGCCAGGAGAG
 AAGCAGCTAGTGGATTTGGAGAATCTAGTGAGCTCAGTGGCTTCACAGACTGGTTTTGGACACTCTTC
 CAGATGCAAAAGACAAGGGAAGCCAGCAGCATACCTCCCTGCCGACCCAGGGATGCCTCCCTAGAACCCA
 GACCAAGGACAGTCACTTCTCCACTGTCTCCAGTTTGTGGTAGAAGATGCCAGTGGTTCTACTGGG
 AAACGACAGACTGCGACATTGAAGCCTAGTGGAGCTGCTGAATCGTGTGCAGAGCAGCGGGGCCATG
 ACCAGAGGGGACTTCTTCGCAAAGAGGACCTGGTCTCCAGAATTTCTGCAGCTTCTTCCCAAAGACC
 AGGTTCTCAGGAGGCTCCACCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2273_d03.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_053764

Insert Size: 1635 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 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](#)

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:

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: [NM_053764.1](#), [NP_446216.1](#)

RefSeq Size: 2854 bp

RefSeq ORF: 1635 bp

Locus ID: 114705

UniProt ID: [O08773](#)

Cytogenetics: 17p14

Gene Summary: binds Galpha(i1)GDP and acts as a GTPase activator by maintaining G-protein subunit dissociation; regulates G-protein mediated signaling [RGD, Feb 2006]