

Product datasheet for **RG214542**

RGS11 (NM_003834) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS11 (NM_003834) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RGS11
Synonyms:	RS11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG214542 representing NM_003834
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGGTGGTCTGAGCATGCAGGACCCCGACCAGGGCGTGAAGATGCGGAGCCAGCGCCTGCTGG
 TCACCGTCATTCCCCACGCGGTGACAGGCAGCGACGTCGTGCAGTGGTTGGCCAGAAAGTTCTGCGTCTC
 GGAGGAGGAGGCCCTGCACCTGGGCGCCGTCCTGGTGCAGCATGGCTACATCTACCCGCTGCGCGACCCC
 CGTAGCCTCATGCTCCGGCCAGACGAGACGCCCTACAGGTTCCAGACCCGTAATTCTGGACAAGTACCC
 TGAGGCCGGCTGCAGAGCTGGACTATGCCATCTACCTGGCCAAGAAGAACATCCGAAAACGGGGACCCCT
 GGTGGATTATGAGAAGGACTGCTATGACCGCTACACAAGAAGATCAACCACGCATGGGACCTGGTGTG
 ATGCAGGCGAGGAGCAGCTGAGGGCAGCAAGCAGCGCAGCAAGGGGGACAGGCTGGTCATTGCGTGCC
 AGGAGCAGACCTACTGGCTGGTGAACAGGCCCCCGCCGGGGCCCCGATGTGCTGGAGCAGGGTCCAGG
 GCGGGGATCCTGCGCTGCCAGCCGTGTGCTCATGACCAAGAGTGCAGATTCCATAAGCGGGAGATCGAG
 TACTTCAGGAAAGCGCTGGGCAGGACCCGAGTGAAGTCCCTCCGTCTGCCTTGAGGCGTACCTGAGTTTCT
 GCGGCCAGCGTGGACCCACGATCCCCTCGTGTGGGGTGCCTGCCCAGCAATCCCTGGATCTCAGACAA
 TGACGCCCTACTGGGTGATGAATGCCCCACGGTGGCTGCCCCACGAAGCTCCGTGTGGAGAGATGGGGC
 TTCAGCTTCCGGGAGCTCCTGGAGGACCCGTCGGGCGGGCCCACTTCATGGACTTTCTGGGAAAGGAGT
 TCAGTGGAGAAAACCTCAGCTTCTGGGAGGCATGTGAGGAGCTTCGATATGGAGCGCAGGCCAGGTCCC
 CACCCTGGTGGATGCCGTGTACGAGCAGTTCCTGGCCCCGGAGCTGCCCACTGGGTCAACATCGACAGC
 CGGACCATGGAGCAGACCCTGGAGGGGCTGCGCCAGCCCCACCGCTATGTCCTGGATGACGCCAGCTGC
 ACATATACATGCTCATGAAGAAGGACTCCTACCAAGTTCTGAAGTCTGACATGTACAAGGCCCTCCT
 GGCAGAGGCTGGGATCCCGCTGGAGATGAAGAGACGCGTGTCCCGTTTACGTGGAGGCCACGGCACTCG
 AGCCCCAGCCCTGCACTCCTTCCACCCCTGTGGAGCCACAGCGGCTTGTGGCCCTGGGGTGGAGATG
 GGTGGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214542 representing NM_003834
 Red=Cloning site Green=Tags(s)

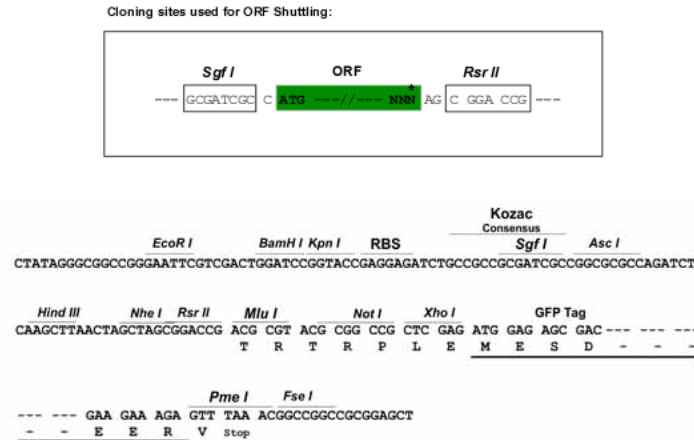
MERVVSMQDPDQGVKMRSQRLLVTVIPHAVTGSDDVQWLAQKFCVSEEEALHLGAVLVQHGYIYPLRDP
 RSLMLRPDETTPYRFQTPYFWTSLRPAELDYAIYLAKKNIRKRGTLVDYEKDCYDRLHKKINHAWDLVL
 MQAREQLRAAKQRSKGDRLVIACQEQTYYLVNRPPPGAPDVLEQGPGRGSCAASRVLMTKSADFHKREIE
 YFRKALGRTRVKSSVCLEAYLSFCGQRGPHDPLVSGCLPSNPWISDNDAYWVMNAPTVAAPTCLRVERWG
 FSFRELLEDPVGRAHFMDFLGKEFSGENLSFWEACEELRYGAQAQVPTLVDAVYEQFLAPGAHWNIDS
 RTMEQTLGLRQPHRYVLDDAQLHIYMLMKKDSYPRFLKSDMYKALLAEAGIPLEMKRVRFPFTWRPRHS
 SPSPALLPVPTAACPVGDDGVA

SGPTRTRRL - GFP Tag - V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_003834

ORF Size: 1338 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.

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_003834.3](#)

RefSeq Size: 2384 bp

RefSeq ORF: 1341 bp

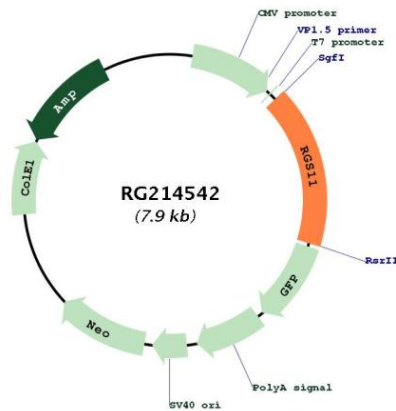
Locus ID: 8786

UniProt ID: [O94810](#)

Cytogenetics: 16p13.3

Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene belongs to the RGS (regulator of G protein signaling) family. Members of the RGS family act as GTPase-activating proteins on the alpha subunits of heterotrimeric, signal-transducing G proteins. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Alternative splicing occurs at this locus and four transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2013]

Product images:



Circular map for RG214542