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Product datasheet for RG215185

RGS11 (NM_183337) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS11 (NM_183337) 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:

>RG215185 representing NM_183337
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCCGGCCCCGCGCCGCCCCCCGGCCGCCCCCGGGCGCAGATGCCGCATCTGAGGAAGATGGAGC
GGGTGGTCGTGAGCATGCAGGACCCCGACCAGGGCGTGAAGATGCGGAGCCAGCGCCTGCTGGTCACCGT
CATTCCCCACGCGGTGACAGGCAGCGACGTCGTGCAGTGGTTGGCCCAGAAGTTCTGCGTCTCGGAGGAG
GAGGCCCTGCACCTGGGCGCCGTCCTGGTGCAGCATGGCTACATCTACCCGCTGCGCGACCCCCGTAGCC
TCATGCTCCGGCCAGACGAGACGCCCTACAGGTTCCAGACCCCGTACTTCTGGACAAGTACCCTGAGGCC
GGCTGCAGAGCTGGACTATGCCATCTACCTGGCCAAGAAGAACATCCGAAAACGGGGGACCCTGGTGGAT
TATGAGAAGGACTGCTATGACCGGCTACACAAGAAGATCAACCACGCATGGGACCTGGTGCTGATGCAGG
CGAGGGAGCAGCTGAGGGCAGCCAAGCAGCGCAGCAAGGGGGACAGGCTGGTCATTGCGTGCCAGGAGCA
GACCTACTGGCTGGTGAACAGGCCCCCGCCCGGGGCCCCCGATGTGCTGGAGCAGGGTCCAGGGCGGGGA
TCCTGCGCTGCCAGCCGTGTGCTCATGACCAAGAGTGCAGATTTCCATAAGCGGGAGATCGAGTACTTCA
GGAAAGCGCTGGGCAGGACCCGAGTGAAGTCCTCCGTCTGCCTTGAGGCGTACCTGAGTTTCTGCGGCCA
GCGTGGACCCCACGATCCCCTCGTGTCGGGGTGCCTGCCCAGCAATCCCTGGATCTCAGACAATGACGCC
TACTGGGTCATGAATGCCCCCACGGTGGCTGCCCCCACGAAGCTCCGTGTGGAGAGATGGGGCTTCAGCT
TCCGGGAGCTCCTGGAGGACCCCGTGGGGCGGGCCCACTTCATGGACTTTCTGGGAAAGGAGTTCAGTGG
AGAAAACCTCAGCTTCTGGGAGGCATGTGAGGAGCTTCGATATGGAGCGCAGGCCCAGGTCCCCACCCTG
GTGGATGCCGTGTACGAGCAGTTCCTGGCCCCCGGAGCTGCCCACTGGGTCAACATCGACAGCCGGACCA
TGGAGCAGACCCTGGAGGGGCTGCGCCAGCCCCACCGCTATGTCCTGGATGACGCCCAGCTGCACATATA
CATGCTCATGAAGAAGGACTCCTACCCAAGGTTCCTGAAGTCTGACATGTACAAGGCCCTCCTGGCAGAG
GCTGGGATCCCGCTGGAGATGAAGAGACGCGTGTTCCCGTTTACGTGGAGGCCACGGCACTCGAGCCCCA
GCCCTGCACTCCTTCCCACCCCTGTGGAGCCCACAGCGGCTTGTGGCCCTGGGGGTGGAGATGGGGTGGC
C

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

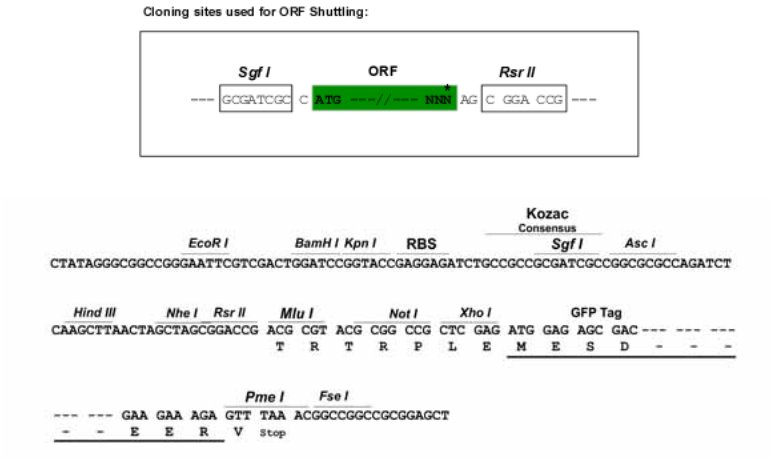
>RG215185 representing NM_183337
Red=Cloning site Green=Tags(s)

MAAGPAPPPGRPRAQMPHLRKMERVVVSMQDPDQGVKMRSQRLLVTVIPHAVTGSDVVQWLAQKFCVSEE
EALHLGAVLVQHGYIYPLRDPRSLMLRPDETPYRFQTPYFWTSTLRPAAELDYAIYLAKKNIRKRGTLVD
YEKDCYDRLHKKINHAWDLVLMQAREQLRAAKQRSKGDRLVIACQEQTYWLVNRPPPGAPDVLEQGPGRG
SCAASRVLMTKSADFHKREIEYFRKALGRTRVKSSVCLEAYLSFCGQRGPHDPLVSGCLPSNPWISDNDA
YWVMNAPTVAAPTKLRVERWGFSFRELLEDPVGRAHFMDFLGKEFSGENLSFWEACEELRYGAQAQVPTL
VDAVYEQFLAPGAAHWVNIDSRTMEQTLEGLRQPHRYVLDDAQLHIYMLMKKDSYPRFLKSDMYKALLAE
AGIPLEMKRRVFPFTWRPRHSSPSPALLPTPVEPTAACGPGGGDGVA

SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



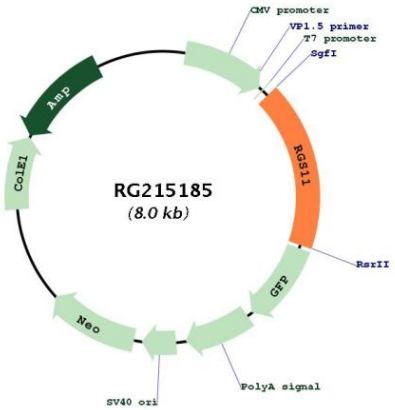
ACCN:	NM_183337
ORF Size:	1401 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_183337.3
RefSeq Size:	2373 bp
RefSeq ORF:	1404 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 RG215185