

Product datasheet for **RG200351**

RAB33A (NM_004794) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB33A (NM_004794) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB33A
Synonyms:	RabS10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200351 representing NM_004794 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCAGCCCATCCTGGGCCATGGGAGCCTGCAGCCCGCCTCGGCCGCTGGCCTGGCGTCCCTGGAGC
TCGACTCGTCGCTGGACCAGTACGTGCAGATTCGCATCTTCAAATAATCGTGATTGGGGACTCCAACGT
GGGCAAGACCTGCCTGACCTTCCGCTTCTGCGGGGTACCTCCAGACAAGACTGAAGCCACCATCGGC
GTGGACTTCAGGGAGAAGACCGTGAAATCGAGGGCGAGAAGATCAAGGTTCAAGGTGTGGGACACAGCAG
GTCAGGAACGTTTCCGAAAAGCATGGTCGAGCATTACTACCGCAACGTACATGCCGTGGTCTTCGTCTA
TGACGTACCAAGATGACATCTTTCACCAACCTCAAATGTGGATCCAAGAATGCAATGGGCATGCTGTG
CCCCACTAGTCCCCAAAGTGCTTGTGGGCAACAAGTGTGACTTGAGGGAACAGATCCAGGTGCCCTCCA
ACTTAGCCCTGAAATTTGCTGATGCCCACAACATGCTCTTGTGTTGAGACATCGGCCAAGGACCCCAAGA
GAGCCAGAACGTGGAGTCGATTTTCATGTGCTTGGCTTGGCGATTGAAGGCCAGAAATCCCTGCTGTAT
CGTGATGCTGAGAGGCAGCAGGGGAAGGTGCAGAACTGGAGTTCACAGGAAGCTAACAGTAAACTT
CCTGTCCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG200351 representing NM_004794
 Red=Cloning site Green=Tags(s)

MAQPILGHGSLQPASAAGLASLELDSSLDQYVQIRIFKIIVIGDSNVGKTCLTFRFCGGTFDPKTEATIG
 VDFREKTVEIEGEKIKVQWDTAGQERFRKSMVEHYRNVHAVVFYDVKMTSFTNLKMWIQECNGHAV
 PPLVPKVLVGKCDLREQIQVPSNLALKFADAHNMLLFETSAKDPKESQNVESIFMCLACRLKAQKSLLY
 RDAERQQGKVQKLEFPQEANSKTSCTC

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004794

ORF Size: 711 bp

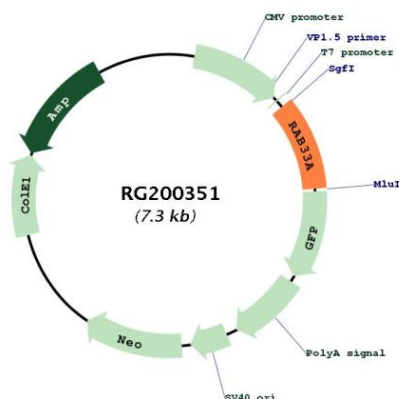
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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](#)

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:	<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_004794.3</u>
RefSeq Size:	1128 bp
RefSeq ORF:	714 bp
Locus ID:	9363
UniProt ID:	<u>Q14088</u>
Cytogenetics:	Xq26.1
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. It is GTP-binding protein and may be involved in vesicle transport. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200351