

## **Product datasheet for RG233414**

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OriGene Technologies, Inc.

# RAB34 (NM\_001256281) Human Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: RAB34 (NM\_001256281) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: RAB34

Synonyms: NARR; RAB39; RAH

Mammalian Cell

Selection:

Neomycin

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG233414 representing NM\_001256281
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGTAGGCAGCCTCAGCCCCGAGATGACGTCGGGTCTCCGCGGCCCCGGGTTATTGTAGGAACCATCC GGCCCCGCGTAATCGTAGGAACCATCC GGCCCCGCGTAATCGTAGGAACTATCCGGCCCCCCACC AGACGGGACTCCCCCCCCCAATTGGCGGCCCGAAGAGTCTCCTCGCCCCAGAGTCATCTTCGGGACGCCC AGGGCCCCGGGTGATTTTTGGCCTCGCCGCGGGCCCCGGGTGATTGTTTCATCTCCGTGGCCCGCGGTGGTCG TAGCGTCTCCCGAGACCCCCGGACTCCCGTAGGGTCCCCGTGGCCCCGAGTTGTAGTCGGGACACCCCGGCC GCGGTGATCGTCGTCGCTCCACGCCCCGGGTCGTCGCCGCCCTCGCGCCCTTCTCAGGGC GCCCTGCAAGGCCCCAAGGCCGCAGGATGAACATTCTGGCACCCGTGCGGAGGGATCGCGTCCTGGCGGAGCTG CCCCAGTGCCTGAGGAAGAAGACTTCCACCCCCGCGTCACCTGCCGCCT

GCCAGGAGCACCGGACAGGCACCGTGGGCAGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233414 representing NM\_001256281

Red=Cloning site Green=Tags(s)

MVGQPQPRDDVGSPRPRVIVGTIRPRVIVGTIRPRVIVGSARARPPPDGTPRPQLAAEESPRPRVIFGTP RARVILGSPRPRVIVSSPWPAVVVASPRPRTPVGSPWPRVVVGTPRPRVIVGSPRARVADADPASAPSQG

ALQGRRQDEHSGTRAEGSRPGGAAPVPEEGGRFARAQRLPPPRHLRLPGAPDRHRGQI

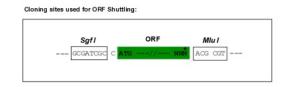
TRTRPLE - GFP Tag - V

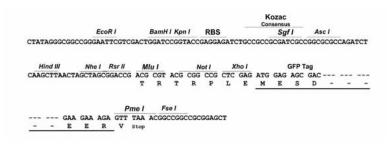
**Restriction Sites:** Sgfl-Mlul





#### **Cloning Scheme:**





**ACCN:** NM\_001256281

ORF Size: 594 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 001256281.3

RefSeq Size: 839 bp
RefSeq ORF: 597 bp
Locus ID: 83871
UniProt ID: P0DI83
Cytogenetics: 17q11.2



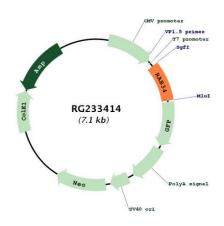
**Protein Families:** 

Druggable Genome

**Gene Summary:** 

This gene encodes a protein belonging to the RAB family of proteins, which are small GTPases involved in protein transport. This family member is a Golgi-bound member of the secretory pathway that is involved in the repositioning of lysosomes and the activation of macropinocytosis. Alternative splicing of this gene results in multiple transcript variants. An alternatively spliced transcript variant produces the nine-amino acid residue-repeats (NARR) protein, which is a functionally distinct nucleolar protein resulting from a different reading frame. [provided by RefSeq, Dec 2016]

# **Product images:**



Circular map for RG233414