OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC233414

RAB34 (NM_001256281) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB34 (NM_001256281) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAB34
Synonyms:	NARR; RAB39; RAH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC233414 representing NM_001256281
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTAGGGCAGCCTCAGCCCCGAGATGACGTCGGGTCTCCGCGGCCCCGGGTTATTGTAGGAACCATCC
GGCCCCGCGTAATCGTAGGAACTATCCGGCCCCGCGTAATCGTAGGGTCTGCGCGGGCCCGGCCCCCACC
AGACGGGACTCCCCGCCCCCAATTGGCGGCCGAAGAGTCTCCTCGCCCCAGAGTCATCTTCGGGACGCCC
AGGGCCCGGGTGATTTTGGGCTCGCCGCGGCCCCGGGTGATTGTTTCATCTCCGTGGCCCGCGGTGGTCG
TAGCGTCTCCGAGACCGCGGACTCCCGTAGGGTCCCCGTGGCCCCGAGTTGTAGTCGGGACACCCCGGCC
GCGGGTGATCGTCGGGTCTCCACGCGCCCGGGTCGCTGACGCGGATCCGGCCTCGGCGCCTTCTCAGGGC
GCCCTGCAAGGCCGCAGGCAGGATGAACATTCTGGCACCCGTGCGGAGGGATCGCGTCCTGGCGGAGCTG
CCCCAGTGCCTGAGGAAGGAGGCCGCTTTGCACGGGCACAAAGACTTCCACCCCCGCGTCACCTGCGCCT
GCCAGGAGCACCGGACAGGCACCGTGGGCAGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC233414 representing NM_001256281
Red=Cloning site Green=Tags(s)

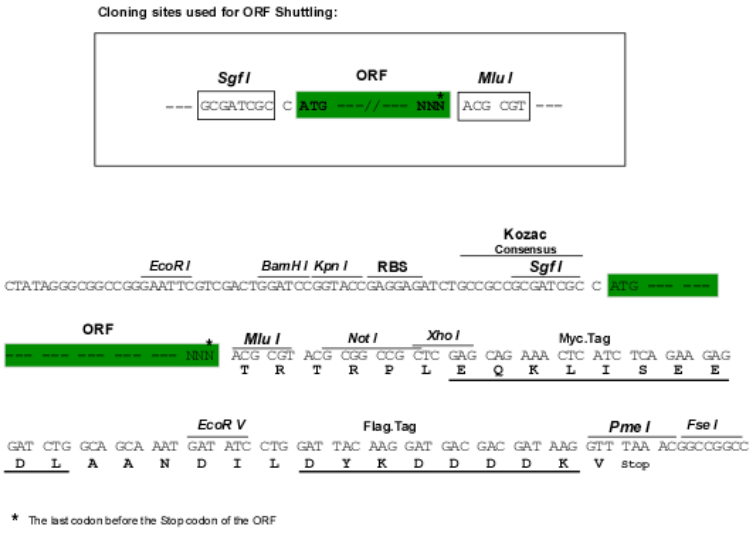
MVGQPQPRDDVGSPRPRVIVGTIRPRVIVGTIRPRVIVGSARARPPPDGTPRPQLAAEESPRPRVIFGTP
RARVILGSPRPRVIVSSPWPAVVVASPRPRTPVGSPWPRVVVGTPRPRVIVGSPRARVADADPASAPSQG
ALQGRRQDEHSGTRAEGSRPGGAAPVPEEGGRFARAQRLPPPRHLRLPGAPDRHRGQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

View online »

Restriction Sites: SgfI-MluI

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

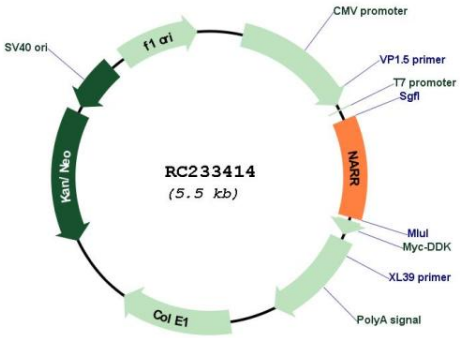
Cytogenetics: 17q11.2

Protein Families: Druggable Genome

MW: 21.6 kDa

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 RC233414