

## Product datasheet for **RC232307**

### **RAB34 (NM\_001256277) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RAB34 (NM\_001256277) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** RAB34  
**Synonyms:** NARR; RAB39; RAH  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232307 representing NM\_001256277  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACATTCTGGCACCCGTGCGGAGGGATCGCGTCCTGGCGGAGCTGCCCCAGTGCCTGAGGAAGGAGG  
CCGCTTTGCACGGGCACAAAGACTTCCACCCCGCGTCACCTGCGCCTGCCAGGAGCACCAGGACAGGCAC  
CGTGGGATTTAAGATCTCCAAGGTCATTGTGGTGGGGACCTGTGGTGGGAAGACTTGCCTCATTAAAT  
AGGTTCTGCAAAGACACCTTTGATAAGAATTACAAGGCCACCATTGGAGTGGACTTCGAGATGGAACGAT  
TTGAGGTGCTGGGCATCCCTTCAGTTTGCAGCTTTGGGATACCGCTGGGCAGGAGAGGTTCAAATGCAT  
TGCATCAACCTACTATAGAGGAGCTCAAGCCATCATCATTGTCTTCAACCTGAATGATGTGGCATCTCTG  
GAACATACCAAGCAGTGGCTGGCCGATGCCCTGAAGGAGAATGACCCCTCCAGTGTGCTTCTTCTCCTTG  
TAGGTTCCAAGAAGGATCTGAGTACCCCTGCTCAGTATGCGCTGATGGAGAAAGACGCCCTCCAGGTGGC  
CCAGGAGATGAAGGCTGAGTACTGGCAGTCTCATCTCTCACTGGTGAGAATGTCCGAGAATTCTTCTTC  
CGTGTGGCAGCACTGACCTTTGAGGCCAATGTGCTGGCTGAGCTGGAGAAATCGGGGGCTCGACGCATTG  
GGGATGTTGTCCGCATCAACAGTGTGACAGCAACCTTACCTAACTGCCAGCAAGAAGAAGCCACATG  
TTGCCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232307 representing NM\_001256277  
 Red=Cloning site Green=Tags(s)

MN~~I~~LAPVRRDRVLAELPQCLRKEAALHG~~H~~KDFHPRVTCACQEHR~~T~~GTGVGFKISKVIVVGDLSV~~G~~KTCLIN  
 RFCKDTFDK~~N~~YKATIGVDFEMERFEVLGIPFSLQLWDTAGQERFKCIASTYYRGAQAI~~I~~IVFNLNDVASL  
 EHTKQWLADALKENDPSSVLLFLVGSKKDLSTPAQYALMEKDALQVAQEMKAEYWA~~V~~SSLTGENVREFFF  
 RVAALTFEANVLAELEKSGARRIGDVVRINSDDSNLYLTASKKKPTCCP

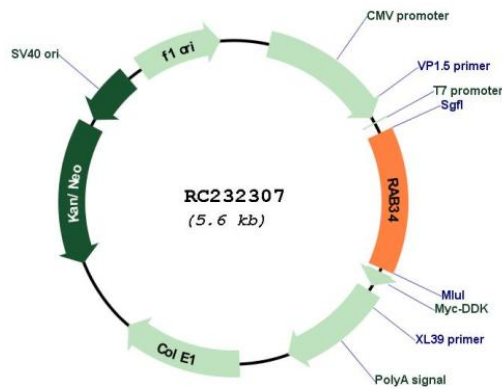
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001256277  
**ORF Size:** 777 bp

|                               |  |
|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>   |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_001256277.2</a>   |
| <b>RefSeq Size:</b>           | 1467 bp  |
| <b>RefSeq ORF:</b>            | 780 bp   |
| <b>Locus ID:</b>              | 83871  |
| <b>UniProt ID:</b>            | <a href="#">Q9BZG1</a>   |
| <b>Cytogenetics:</b>          | 17q11.2  |
| <b>Protein Families:</b>      | Druggable Genome   |
| <b>MW:</b>                    | 29.5 kDa   |
| <b>Gene Summary:</b>          | 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] |