

## Product datasheet for **SC330389**

### **RAB34 (NM\_001256278) Human Untagged Clone**

#### Product data:

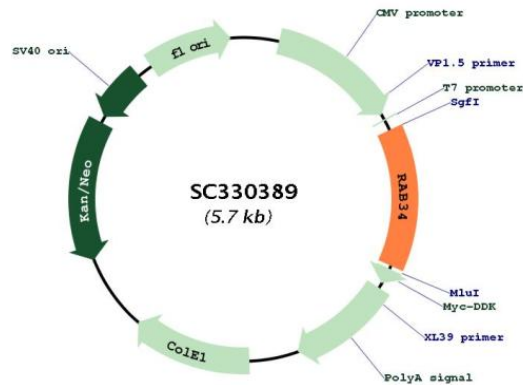
**Product Type:** Expression Plasmids  
**Product Name:** RAB34 (NM\_001256278) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RAB34  
**Synonyms:** NARR; RAB39; RAH  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330389 representing NM\_001256278.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

```
ATGAGTCACCTCCCAGGCCTGGAGTTGAGGAGGGAAGCGCCGCTCTCCTTGGGCCCTTCTCTCCCC
TTTCCCCCTCCCTGCTGGTTCCTGGCATCGCCAGATGCTGCGCAGCAGTCTCCGATTCCCCATACCAAT
TCGGCTGGATTTAAGATCTCCAAGGTCAATTGTGGTGGGGACCTGTCGGTGGGAAGACTTGCTCATT
AATAGGTTCTGCAAAGACACCTTTGATAAGAATTACAAGGCCACCATTGGAGTGGACTTCGAGATGGAA
CGATTTGAGGTGCTGGGCATTCCCTTCAGTTTGCAGCTTTGGGATACCGCTGGGCAGGAGAGGTTCAA
TGCATTGCATCAACCTACTATAGAGGAGCTCAAGCCATCATCATTGTCTTCAACCTGAATGATGTGGCA
TCTCTGGAACATACCAAGCAGTGGCTGGCCGATGCCCTGAAGGAGAATGACCCTTCCAGTGTGCTTCTC
TTCTTGTAGGTTCCAAGAAGGATCTGAGTACCCCTGCTCAGTATGCGCTGATGGAGAAAGACGCCCTC
CAGGTGGCCCAGGAGATGAAGGCTGAGTACTGGGCAGTCTCATCTCTCACTGGTGAATGTCCGAGAA
TTCTTCTCCGTGTGGCAGCACTGACCTTTGAGGCCAATGTGCTGGCTGAGCTGGAGAAAATCGGGGGCT
CGACGCATTGGGGATGTTGTCCGCATCAACAGTGTGACAGCAACCTCTACCTAACTGCCAGCAAGAAG
AAGCCACATGTTGCCCATGA
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001256278

**Insert Size:** 780 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001256278.1](#)

**RefSeq Size:** 1162 bp

**RefSeq ORF:** 780 bp

**Locus ID:** 83871

**UniProt ID:** [Q9BZG1](#)

**Cytogenetics:** 17q11.2

**Protein Families:** Druggable Genome

**MW:** 28.9 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]

Transcript Variant: This variant (9) uses alternate 5' exon structure and thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (7) has a distinct N-terminus but is overall the same length as isoform 1.