

Product datasheet for **SC332334**

RAB34 (NM_001256281) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB34 (NM_001256281) Human Untagged Clone
Tag: Tag Free
Symbol: RAB34
Synonyms: NARR; RAB39; RAH
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332334 representing NM_001256281.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

```
ATGGTAGGGCAGCCTCAGCCCCGAGATGACGTCGGGTCTCCGCGGCCCGGGTTATTGTAGGAACCATC  
CGGCCCGCGTAATCGTAGGAATATCCGGCCCCGCGTAATCGTAGGGTCTGCGCGGGCCCGCCCCCA  
CCAGACGGGACTCCCCGCCCAATTGGCGGCCGAAGAGTCTCCTCGCCCAGAGTCATCTTCGGGACG  
CCCAGGGCCCGGGTGATTTGGGCTCGCCGCGGCCCGGGTGATTGTTTCATCTCCGTGGCCCGGGTG  
GTCGTAGCGTCTCCGAGACCGCGGACTCCCGTAGGGTCCCGTGGCCCCGAGTTGTAGTCGGGACACC  
CGGCCCGGGTGATCGTCGGGTCTCCACGCGCCCGGGTCGCTGACGCGGATCCGGCTCGGCGCCTTCT  
CAGGGCGCCTGCAAGGCCGAGGAGGATGAACATTCTGGCACCCGTGCGGAGGGATCGCGTCTGGC  
GGAGCTGCCCCAGTGCCTGAGGAAGGAGCCGCTTTCACGGGCACAAAGACTTCCACCCCGCGTCC  
CTGCGCCTGCCAGGAGCACCGGACAGGCACCGTGGGCAGATTTAA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001256281
Insert Size: 597 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).



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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_001256281.1](#)

RefSeq Size: 839 bp

RefSeq ORF: 597 bp

Locus ID: 83871

UniProt ID: [P0DI83](#)

Cytogenetics: 17q11.2

Protein Families: Druggable Genome

MW: 21.1 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 (10) uses an alternate splice site in its coding region, compared to variant 1. Its coding region is in a completely different frame, resulting in a novel isoform (NARR), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.