

Product datasheet for **SC325688**

RAB34 (NM_001142625) Human Untagged Clone

Product data:

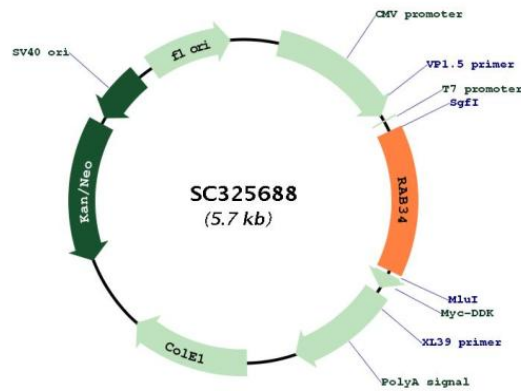
Product Type:	Expression Plasmids
Product Name:	RAB34 (NM_001142625) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB34
Synonyms:	NARR; RAB39; RAH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325688 representing NM_001142625. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTCACTCCAGGCCTGGAGTTGAGGAGGGAAGCGCCGCTCTCCTTGGGCCCTTCTCTCCCC
TTTCCCCCTCCTGCTGGTTCCTGGCATCGCCAGATGCTGCGCAGCAGTCTCCGATCCCCATACCAAT
TCGGCTGGGGCGCCCTGCAAGGCCGAGGCAGGATGAACATTCTGGCACCCGTGCGGAGGGATCGCGTC
CTGGCGGAGCTGCCCCAGTGCCTGAGGAAGGAGGCCGCTTTCACGGGCACAAAGACTTCCACCCCGC
GTCACCTGCGCCTGCCAGGAGCACCGGACAGGCACCGTGGGCAGATTTAAGATCTCCAAGGTCATTGTG
GTGGGGACCTGTCGGTGGGAAGACTTGCCTCATTAAATAGGTTCTGCAAAGACACCTTTGATAAGAA
TACAAGGCCACCATTTGGAGTGGACTTCGAGATGGAACGATTTGAGGTGCTGGGCATTCCCTTCAGTTG
CAGCTTTGGGATACCGCTGGGCAGGAGAGGTTCAAATGCATTGCATCAACCTACTATAGAGGAGCTCAA
GCCATCATCATTGTCTTCAACCTGAATGATGTGGCATCTCTGGAACATACCAAGCAGTGGCTGGCCGAT
GCCCTGAAGGAGAATGACCCCTCCAGTGTGCTTCTCTTCTTGTAGGTTCCAAGAAGGATCTGAGTACC
CCTGCTCAGTATGCGCTGATGGAGAAAGACGCCCTCCAGGTGGCCAGGAGATGAAGACTGTTCAGAGA
CTGCCAGCCCTAGGGCACTGTGCCACCCTCATTCTCCAGAGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001142625

Insert Size: 807 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001142625.2](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001142625.2)

RefSeq Size: 1118 bp

RefSeq ORF: 807 bp

Locus ID: 83871

Cytogenetics: 17q11.2

Protein Families: Druggable Genome

MW: 29.9 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 (3) differs in the 5' UTR and 5' coding region, and lacks an internal segment in the 3' coding region, compared to variant 1. The resulting isoform (3) has distinct N- and C-termini and is longer than isoform 1.