## PRODUCT INFORMATION

## Catalog number

## ATGD0103

## Product type

cDNA
Species
Human

## NCBI Accession No.

NP_114140.4

## Alternative Names

RAB39, RAH
mRNA Refseq
NM_031934.5

## OMIM

610917

## Chromosome location

17q11.2

## PRODUCT SPECIFICATION

## Formulation

Lyophilized

## Storage

Store the plasmid at -20C.
cDNA Size
780bp

## Preparation before usage

1. Centrifuge at 7000 rpm for 1 minute.
2. Carefully open the vial and add 100 ul of sterile water to dissolve the DNA.

Each tube contains approximately 10 ug of lyophilized plasmid.

## Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector
pATGen (puc19-derived cloning vector)

## General Description

## RAB34 CDNA

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RAB34 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. This gene overlaps and shares exon structure with the nine-amino acid residuerepeats (NARR) gene, which encodes a functionally distinct nucleolar protein from a different reading frame.

## DATA

## Sequence nucleotides

ATGAACATTCTGGCACCCGTGCGGAGGGATCGCGTCCTGGCGGAGCTGCCCCAGTGCCTGAGGAAGGAGGCCGCTTTGCA CGGGCACAAAGACTTCCACCCCCGCGTCACCTGCGCCTGCCAGGAGCACCGGACAGGCACCGTGGGATTTAAGATCTCCA AGGTCATTGTGGTGGGGGACCTGTCGGTGGGGAAGACTTGCCTCATTAATAGGTTCTGCAAAGACACCTTTGATAAGAATT ACAAGGCCACCATTGGAGTGGACTTCGAGATGGAACGATTTGAGGTGCTGGGCATTCCCTTCAGTTTGCAGCTTTGGGATA CCGCTGGGCAGGAGAGGTTCAAATGCATTGCATCAACCTACTATAGAGGAGCTCAAGCCATCATCATTGTCTTCAACCTGAA TGATGTGGCATCTCTGGAACATACCAAGCAGTGGCTGGCCGATGCCCTGAAGGAGAATGACCCTTCCAGTGTGCTTCTCTT CCTTGTAGGTTCCAAGAAGGATCTGAGTACCCCTGCTCAGTATGCGCTGATGGAGAAAGACGCCCTCCAGGTGGCCCAGGA GATGAAGGCTGAGTACTGGGCAGTCTCATCTCTCACTGGTGAGAATGTCCGAGAATTCTTCTTCCGTGTGGCAGCACTGAC CTTTGAGGCCAATGTGCTGGCTGAGCTGGAGAAATCGGGGGCTCGACGCATTGGGGATGTTGTCCGCATCAACAGTGATG ACAGCAACCTCTACCTAACTGCCAGCAAGAAGAAGCCCACATGTTGCCCATGA

## Transaction Sequence

MNILAPVRRD RVLAELPQCL RKEAALHGHK DFHPRVTCAC QEHRTGTVGF KISKVIVVGD LSVGKTCLIN RFCKDTFDKN YKATIGVDFE MERFEVLGIP FSLQLWDTAG QERFKCIAST YYRGAQAIII VFNLNDVASL EHTKQWLADA LKENDPSSVL LFLVGSKKDL STPAQYALME KDALQVAQEM KAEYWAVSSL TGENVREFFF RVAALTFEAN VLAELEKSGA RRIGDVVRIN SDDSNLYLTA SKKKPTCCP

