

RAB34 cDNA

Catalog Number: ATGD0103

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 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug 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

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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 residue-repeats (NARR) gene, which encodes a functionally distinct nucleolar protein from a different reading frame.

DATA

Sequence nucleotides

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ATGAACATTCTGGCACCCGTGCGGAGGGATCGCGTCCTGGCGGAGCTGCCCCAGTGCCTGAGGAAGGAGGCCGCTTTGCA
CGGGCACAAAGACTTCCACCCCGCGTACCTGCGCCTGCCAGGAGACCCGGACAGGCACCGTGGGATTTAAGATCTCCA
AGGTCATTGTGGTGGGGGACCTGTCGGTGGGGAAGACTTGCCTCATTAAATAGGTTCTGCAAAGACACCTTTGATAAGAATT
ACAAGGCCACCATTGGAGTGGACTTCGAGATGGAACGATTTGAGGTGCTGGGCATTCCTTCAGTTTGCAGCTTTGGGATA
CCGCTGGGCAGGAGAGGTTCAAATGCATTGCATCAACCTACTATAGAGGAGCTCAAGCCATCATCATTGTCTTCAACCTGAA
TGATGTGGCATCTCTGGAACATACCAAGCAGTGGCTGGCCGATGCCCTGAAGGAGAATGACCCTTCCAGTGTGCTTCTCTT
CCTTGTAGGTTCCAAGAAGGATCTGAGTACCCCTGCTCAGTATGCGCTGATGGAGAAAGACGCCCTCCAGGTGGCCCAGGA
GATGAAGGCTGAGTACTGGGCAGTCTCATCTCTCACTGGTGAGAATGTCCGAGAATTCTTCTTCCGTGTGGCAGCACTGAC
CTTTGAGGCCAATGTGCTGGCTGAGCTGGAGAAATCGGGGGCTCGACGCATTGGGGATGTTGTCCGCATCAACAGTGATG
ACAGCAACCTCTACCTAACTGCCAGCAAGAAGAAGCCCACATGTTGCCCATGA
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Transaction Sequence

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MNILAPVRRD RVLAEQPQL RKEAALHGHK DFHPRVTCAC QEHRGTGVGF KISKVIVVGD LSVGKTCLIN RFCKDTFDKN
YKATIGVDFE MERFEVLGIP FSLQLWDTAG QERFKCIAS YRGAQAIII VFNLNDVASL EHTKQWLADA LKENDPSSVL
LFLVGSKKDL STPAQYALME KDALQVAQEM KAEYWAVSSL TGENVREFFF RVAALTFEAN VLAELEKSGA RRIGDVVRIN
SDDSNLYLTA SKKKPTCCP
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