

## RAB22A cDNA

Catalog Number: ATGD0178

### PRODUCT INFORMATION

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**Catalog number**

ATGD0178

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_065724.1

**Alternative Names**

**mRNA Refseq**

NM\_020673.2

**OMIM**

612966

**Chromosome location**

20q13.32

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

585bp

**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**

The protein encoded by RAB22A is a member of the RAB family of small GTPases. The GTP-bound form of the

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encoded protein has been shown to interact with early-endosomal antigen 1, and may be involved in the trafficking of and interaction between endosomal compartments.

### DATA

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#### Sequence nucleotides

```
ATGGCGCTGAGGGAGCTCAAAGTGTGTCTGCTCGGGGATACAGGTGTAGGTAAATCGAGTATTGTGTGGCGGTTTGTGGAA
GACAGTTTTGATCCAAACATCAACCCAACAATAGGGGCATCTTTTATGACCAAGACTGTCCAGTACCAAAATGAGCTACATAA
ATTCCTAATCTGGGATACAGCTGGACAAGAACGATTTTCGTGCCTTAGCACCAATGTACTATCGAGGGTCCGGCTGCAGCTATA
ATCGTTTATGATATCACAAAAGAAGAGACATTTTCAACATTAAGAATTGGGTGAAAGAGCTTCGACAGCATGGCCACCTA
ATATTGTAGTTGCCATTGCAGGAAATAAATGTGATCTTATCGATGTAAGAGAAGTCATGGAGAGAGATGCAAAGGACTACGC
CGACTCTATTCATGCAATTTTTGTAGAGACCAGCGCAAAAAACGCGATAAACATAAATGAACTCTTTATAGAAATTAGTCGAA
GAATCCATCCACTGACGCCAACCTGCCATCTGGCGGTAAGGGCTTCAAACCTCCGAAGACAGCCTTCAGAGCCAAAGCGGA
GCTGCTGCTGA
```

#### Transaction Sequence

```
MALRELKVCL LGDTGVGKSS IVWRFVDSF DPNINPTIGA SFMTKTVQYQ NELHKFLIWD TAGQERFRAL APMYYRGSAA
AIIVYDITKE ETFSTLKNWV KELRQHGPPN IVVAIAGNKC DLIDVREVME RDAKDYADSI HAIFVETSAK NAININELFI
EISRRIPSTD ANLPSGGKGF KLRRQPSEPK RSCC
```