

## RAB17 cDNA

Catalog Number: ATGD0177

### PRODUCT INFORMATION

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**Catalog number**

ATGD0177

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_071894.1

**Alternative Names**

**mRNA Refseq**

NM\_022449.3

**OMIM**

602206

**Chromosome location**

2q37.3

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

639bp

**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 Rab subfamily of small GTPases plays an important role in the regulation of membrane trafficking. RAB17 is

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an epithelial cell-specific GTPase

### DATA

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#### Sequence nucleotides

```
ATGGCACAGGCACACAGGACCCCCAGCCCAGGGCTGCCCCAGCCAGCCCCGTGTGTTCAAGCTGGTTCTCCTGGGAAG
TGGCTCCGTGGGTAAGTCCAGCTTGGCTCTTCGGTACGTGAAGAACGACTTCAAGAGTATCCTGCCTACGGTGGGCTGTGC
GTTCTTCACAAAGGTGGTGGATGTGGGTGCCACCTCTCTGAAGCTTGAGATCTGGGACACAGCTGGCCAGGAGAAGTACCA
CAGCGTCTGCCACCTCTACTTCAGGGGTGCCAACGCTGCGCTTCTGGTGTACGACATCACCAGGAAGGATTCTTCCTCAA
GGCTCAGCAGTGGCTGAAGGACCTGGAGGAGGAGCTGCACCCAGGAGAAGTCCTGGTGATGCTGGTGGGCAACAAGACG
GACCTCAGCCAGGAGCGGGAGGTGACCTTCCAGGAAGGGAAGGAGTTTGCCGACAGCCAGAAGTTGCTGTTTCATGGAAAC
TTCGGCCAAACTGAACCACCAGGTGTCGGAGGTGTTCAATACAGTGGCCCAAGAGCTACTGCAGAGAAGCGACGAGGAGG
GCCAGGCTCTACGGGGGGATGCAGCTGTGGCTCTGAACAAGGGGGCCCGCAGGCAGGCCAAATGCTGCGCCCACTAG
```

#### Transaction Sequence

```
MAQAHRTQPQ RAAPSQPRVF KLVLLGSGSV GKSSLALRYV KNDFKSILPT VGCAFFTKV DVGATSLKLE IWDTAGQEKY
HSVCHLYFRG ANAALLVYDI TRKDSFLKAQ QWLKDLEEL HPGEVLVMLV GNKTDLSQER EVTFQEGKEF ADSQKLLFME
TSAKLNHQVS EVFNTVAQEL LQRSDEEQQA LRGDAVALN KGPARQAKCC AH
```