

RAB1A cDNA

Catalog Number: ATGD0204

PRODUCT INFORMATION

Catalog number

ATGD0204

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004152.1

Alternative Names

RAB1, YPT1

mRNA Refseq

NM_004161.4

OMIM

179508

Chromosome location

2p14

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

618bp

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

RAB1A cDNA

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RAB1A encodes a member of the Ras superfamily of GTPases. Members of the gene family cycle between inactive GDP-bound and active GTP-bound forms. This small GTPase controls vesicle traffic from the endoplasmic reticulum to the Golgi apparatus. Multiple alternatively spliced transcript variants have been identified for this gene which encode different protein isoforms.

DATA

Sequence nucleotides

```
ATGTCCAGCATGAATCCCGAATATGATTATTTATTCAAGTTACTTCTGATTGGCGACTCAGGGGTTGGAAAGTCTTGCCTTCT
TCTTAGGTTTGCAGATGATACATATACAGAAAGCTACATCAGCACAAATTGGTGTGGATTTCAAATAAGAAGTATAGAGTTAG
ACGGGAAAACAATCAAGCTTCAAATATGGGACACAGCAGGCCAGGAAAGATTTGGAACAATCACCTCCAGTTATTACAGAG
GAGCCCATGGCATCATAGTTGTGTATGATGTGACAGATCAGGAGTCCTTCAATAATGTTAAACAGTGGCTGCAGGAAATAGA
TCGTTATGCCAGTGAAGATGTCAACAAATTGTTGGTAGGGAACAAATGTGATCTGACCACAAAGAAAGTAGTAGACTACACA
ACAGCGAAGGAATTTGCTGATTCCCTTGGAATTCCGTTTTTGAAACCAGTGCTAAGAATGCAACGAATGTAGAACAGTCTT
TCATGACGATGGCAGCTGAGATTAAGGCGAATGGGTCCCGGAGCAACAGCTGGTGGTGCTGAGAAGTCCAATGTTAAAA
TTCAGAGCACTCCAGTCAAGCAGTCAGGTGGAGGTTGCTGCTAA
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Transaction Sequence

```
MSSMNPEYDY LFKLLIGDS GVGKSCLLLR FADDTYTESY ISTIGVDFKI RTIELDGKTIKLQIWDTAGQ ERFRTITSSY
YRGAHGIIVV YDVTQESFN NVKQWLQEID RYASENVNKLVLGNKCDLTT KKVVDYTTAK EFADSLGIPF LETSAKNATN
VEQSFMTMAA EIKKRMGPGATAGGAEKSNV KIQSTPVKQS GGGCC
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