

## RAB2A cDNA

Catalog Number: ATGD0179

### PRODUCT INFORMATION

---

**Catalog number**

ATGD0179

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_002856.1

**Alternative Names**

LHX, RAB2

**mRNA Refseq**

NM\_002865.2

**OMIM**

179509

**Chromosome location**

8q12.1

### PRODUCT SPECIFICATION

---

**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**

# RAB2A cDNA

Catalog Number: ATGD0179

The protein encoded by RAB2A belongs to the Rab family, members of which are small molecular weight guanosine triphosphatases (GTPases) that contain highly conserved domains involved in GTP binding and hydrolysis. The Rabs are membrane-bound proteins, involved in vesicular fusion and trafficking. This protein is a resident of pre-Golgi intermediates, and is required for protein transport from the endoplasmic reticulum (ER) to the Golgi complex. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## DATA

---

### Sequence nucleotides

```
ATGGCGTACGCCTATCTCTTCAAGTACATCATAATCGGGCGACACAGGTGTTGGTAAATCATGCTTATTGCTACAGTTTACAGA
CAAGAGGTTTCAGCCAGTGCATGACCTTACTATTGGTGTAGAGTTCGGTGCTCGAATGATAACTATTGATGGGAAACAGATA
AACTTCAGATATGGGATACGGCAGGGCAAGAATCCTTTTCGTTCCATCACAAGGTCGTATTACAGAGGTGCAGCAGGAGCT
TTACTAGTTTACGATATTACACGGAGAGATACATTCAACCACTTGACAACCTGGTTAGAAGATGCCCCGCCAGCATTCCAATTC
CAACATGGTCATTATGCTTATTGGAAATAAAAGTGATTTAGAATCTAGAAGAGAAGTAAAAAAGAAGAAGGTGAAGCTTTT
GCACGAGAACATGGACTCATCTTCATGGAAACGTCTGCTAAGACTGCTTCCAATGTAGAAGAGGCATTTATTAATACAGCAA
AAGAAATTTATGAAAAAATTCAGAAGGAGTCTTTGACATTAATAATGAGGCAAATGGCATTAAAATTGGCCCTCAGCATGCT
GCTACCAATGCAACACATGCAGGCAATCAGGGAGGACAGCAGGCTGGGGGCGGCTGCTGTTGA
```

### Transaction Sequence

```
MAYAYLFKYI IIGDTGVGKS CLLLQFTDKR FQPVHDLTIG VEFGARMITI DGKQIKLQIW DTAGQESFRS ITRSYRGAA
GALLVYDITR RDTFNHLTTW LEDARQHSNS NMVIMLIGNK SDLESRREVK KEEGEAFARE HGLIFMETS A KTASNVEEAF
INTAKEIYEK IQEGVFDINN EANGIKIGPQ HAATNATHAG NQGGQAGGG CC
```