

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

```
ATGGCGTACGCCTATCTCTTCAAGTACATCATAATCGGGCAGACACAGGTGTTGGTAAATCATGCTTATTGCTACAGTTTACAGA
CAAGAGGTTTCAGCCAGTGCATGACCTTACTATTGGTGTAGAGTTCGGTGCTCGAATGATAACTATTGATGGGAAACAGATA
AACTTCAGATATGGGATACGGCAGGGCAAGAATCCTTTTCGTTCCATCACAAGGTCGTATTACAGAGGTGCAGCAGGAGCT
TTACTAGTTTACGATATTACACGGAGAGATACATTCAACCACTTGACAACCTGGTTAGAAGATGCCCCGCCAGCATTCCAATTC
CAACATGGTCATTATGCTTATTGGAAATAAAAGTGATTTAGAATCTAGAAGAGAAGTAAAAAAGAAGAAGGTGAAGCTTTT
GCACGAGAACATGGACTCATCTTCATGGAAACGTCTGCTAAGACTGCTTCCAATGTAGAAGAGGCATTTATTAATACAGCAA
AAGAAATTTATGAAAAAATTCAAGAAGGAGTCTTTGACATTAATAATGAGGCAAATGGCATTAAAATTGGCCCTCAGCATGCT
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
```