

RAB6A cDNA

Catalog Number: ATGD0203

PRODUCT INFORMATION

Catalog number

ATGD0203

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002860.2

Alternative Names

RAB6

mRNA Refseq

NM_002869.4

OMIM

179513

Chromosome location

11q13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

627bp

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

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RAB6A encodes a member of the RAB family, which belongs to the small GTPase superfamily. GTPases of the RAB family bind to various effectors to regulate the targeting and fusion of transport carriers to acceptor compartments. RAB6A is located at the Golgi apparatus, which regulates trafficking in both a retrograde (from early endosomes and Golgi to the endoplasmic reticulum) and an anterograde (from the Golgi to the plasma membrane) directions. Myosin II is an effector of this protein in these processes. RAB6A is also involved in assembly of human cytomegalovirus (HCMV) by interacting with the cellular protein Bicaudal D1, which interacts with the HCMV virion tegument protein, pp150. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

DATA

Sequence nucleotides

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ATGTCCACGGGCGGAGACTTCGGGAATCCGCTGAGGAAATTCAAGCTGGTGTTCCTGGGGGAGCAAAGCGTTGGAAAGAC
ATCTTTGATCACCAGATTCATGTATGACAGTTTTGACAACACCTATCAGGCAACAATTGGCATTGACTTTTTATCAAAAACAT
GTACTTGGAGGATCGAACAATCAGGCTTCAGCTGTGGGATACTGCGGGTCAGGAACGTTTCCGTAGCCTCATTCCCAGTTA
CATCCGTGATTCTGCTGCAGCTGTAGTAGTTTACGATATCACAAATGTAACTCATTCCAGCAAACACAAAGTGGATTGATG
ATGTCAGAACAGAAAGAGGAAGTGATGTTATCATCATGCTAGTAGGAAATAAAACAGATCTTGCTGACAAGAGGCAAGTGTC
AATTGAGGAGGGAGAGAGGAAAGCCAAAGAGCTGAATGTTATGTTTATTGAACTAGTGCAAAGCTGGATACAATGTAAA
GCAGCTCTTTCGACGTGTAGCAGCAGCTTTGCCGGGAATGGAAAGCACACAGGACAGAAGCAGAGAAGATATGATTGACAT
AAAACCTGGAAAAGCCTCAGGAGCAACCAGTCAGTGAAGGAGGCTGTTCTGCTAA
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Transaction Sequence

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MSTGGDFGNP LRFKFLVFLG EQSVGKTSLI TRFMYDSFDN TYQATIGIDF LSKTMYLEDRTIRLQLWDTA GQERFRSLIP
SYIRDSAAAV VVYDITNVNS FQQTWKIDD VRTERGSDVIIMLVGNKTDL ADKRQVSIEE GERKAKELNV MFIETSAKAG
YNVKQLFRRV AAALPGMESTQDRSREDMID IKLEKPQEQP VSEGGCSC
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