

RAB4A cDNA

Catalog Number: ATGD0182

PRODUCT INFORMATION

Catalog number

ATGD0182

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004569.2

Alternative Names

HRES-1, HRES-1/RAB4, HRES1, RAB4

mRNA Refseq

NM_004578.3

OMIM

179511

Chromosome location

1q42-q43

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

657bp

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

RAB4A cDNA

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RAB4A is a member of the largest group in the Ras superfamily of small GTPases, which regulate membrane trafficking. The encoded protein is associated with early endosomes and is involved in their sorting and recycling. The protein also plays a role in regulating the recycling of receptors from endosomes to the plasma membrane. Alternatively spliced transcript variants have been observed for this gene.

DATA

Sequence nucleotides

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ATGTTCGCAGACGGCCATGTCCGAAACCTACGATTTTTGTTTAAGTTCTTGGTTATTGGAAATGCAGGAACTGGCAAATCTTG
CTTACTTCATCAGTTTATTGAAAAAAATTCAAAGATGACTCAAATCATACAATAGGAGTGGAATTTGGTTCAAAGATAATAA
ATGTTGGTGGTAAATATGTAAAGTTACAAATATGGGATACAGCAGGACAAGAACGATTTCAGGTCCGTGACGAGAAGTTATTA
CCGAGGCGCGGCCGGGGCTCTCCTCGTCTATGATATCACCAGCCGAGAAACCTACAATGCGCTTACTAATTGGTTAACAGA
TGCCCGAATGCTAGCGAGCCAGAACATTGTGATCATCCTTTGTGGAAACAAGAAGGACCTGGATGCAGATCGTGAAGTTAC
CTTCTTAGAAGCCTCCAGATTTGCTCAAGAAAATGAGCTGATGTTTTTGGAAACAAGTGCCTCACAGGGGAGAATGTAGAA
GAGGCTTTTGTACAGTGTGCAAGAAAAATACTTAACAAAATCGAATCAGGTGAGCTGGACCCAGAAAGAATGGGCTCAGGT
ATTCAGTACGGAGATGCTGCCTTGAGACAGCTGAGGTCACCGCGGCGCGCACAGGCCCCGAACGCTCAGGAGTGTGGTTG
TTAG
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Transaction Sequence

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MSQTAMSETY DFLFKFLVIG NAGTGKSCLL HQFIEKKFKD DSNHTIGVEF GSKIINVGGK YVKLQIWDTA GQERFRSVTR
SYRGAAGAL LVYDITSRET YNALTNWLTD ARMLASQIV IILCGNKKDL DADREVTFL EASRFAQENEL MFLETSALTG
ENVEEAFVQC ARKILNKIES GELDPERMGS GIQYGDAALR QLRSPRRAQA PNAQECGC
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