

RAP2B cDNA

Catalog Number: ATGD0385

PRODUCT INFORMATION

Catalog number

ATGD0385

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002877.2

Alternative Names

Ras-related protein Rap-2b, RAP2B, Member of RAS oncogene family, Small GTP binding protein, Ras family small GTP binding protein RAP2B

mRNA Refseq

NM_002886.3

OMIM

179541

Chromosome location

3q25.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

552bp

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)

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General Description

RAP2B belongs to the Ras-related protein family. RAP2B is small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. It is involved in EGFR and CHRM3 signaling pathways through stimulation of PLCE1.

DATA

Sequence nucleotides

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ATGAGAGAGTACAAAGTGGTGGTGGCTGGGCTCGGGCGGCGTGGGCAAGTCCGCGCTCACCGTGCAGTTCGTGACGGGCT
CCTTCATCGAGAAGTACGACCCGACCATCGAAGACTTTTACCGCAAGGAGATTGAGGTGGACTCGTCGCCGTCGGTGCTGG
AGATCCTGGATACGGCGGGCACCGAGCAGTTCGCGTCCATGCGGGACCTGTACATCAAGAACGGCCAGGGCTTCATCCTG
GTCTACAGCCTCGTCAACCAGCAGAGCTTCCAGGACATCAAGCCCATGCGGGACCAGATCATCCGCGTGAAGCGGTACGA
GCGCGTGCCCATGATCCTGGTGGGCAACAAGGTGGACCTGGAGGGTGAGCGCGAGGTCTCGTACGGGGAGGGCAAGGCC
CTGGCTGAGGAGTGAGAGCTGCCCCTTCATGGAGACGTCGGCCAAAAACAAAGCCTCGGTAGACGAGCTATTTGCCGAGAT
CGTGCGGCAGATGAACTACGCGGCGCAGCCCAACGGCGATGAGGGCTGCTGCTCGGCCTGCGTGATCCTCTGA
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Transaction Sequence

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MREYKVVVLG SGGVGKSALT VQFVTGSFIE KYDPTIEDFY RKEIEVDSSP SVLEILD TAGTEQFASMRDL YIKNGQGFIL
VYSLVNQQSF QDIKPMRDQI IRVKRYERVP MILVGNKVDLEGEREVSIGE GKALAEWSC PFMETSAKNK ASVDELFAEI
VRQMNYAAQP NGDEGCCSACVIL
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