

SAR1B cDNA

Catalog Number: ATGD0337

PRODUCT INFORMATION

Catalog number

ATGD0337

Product type

cDNA

Species

Human

NCBI Accession No.

NP_057187.1

Alternative Names

ANDD, CMRD, GTBPB, SARA2

mRNA Refseq

NM_016103.3

OMIM

607690

Chromosome location

5q31.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

597bp

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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SAR1B encodes a small GTPase that acts as a homodimer. It is activated by the guanine nucleotide exchange factor PREB and is involved in protein transport from the endoplasmic reticulum to the Golgi. Two transcript variants encoding the same protein have been found for this gene.

DATA

Sequence nucleotides

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ATGTCCTTCATATTTGATTGGATTACAGTGGTTTCAGCAGTGTGCTACAGTTTTAGGATTATATAAGAAAACTGGTAACT
GGTATTTCTTGGATTGGATAATGCAGGAAAAACAACATTGCTACACATGCTAAAAGATGACAGACTTGGACAACATGTCCCA
ACATTACATCCCACCTTCCGAAGAACTGACCATTGCTGGCATGACGTTTACAACTTTTGATCTGGGTGGACATGTTCAAGCTC
GAAGAGTGTGGAAAAACTACCTTCCTGCTATCAATGGCATTGTATTTCTGGTGGATTGTGCAGACCACGAAAGGCTGTTAGA
GTCAAAAGAAGAACTTGATTCACTAATGACAGATGAAACCATTGCTAATGTGCCTATACTGATTCTTGGGAATAAGATCGACA
GACCTGAAGCCATCAGTGAAGAGAGGTTGCGAGAGATGTTTGGTTTATATGGTCAGACAACAGGAAAGGGGAGTATATCTC
TGAAAGAACTGAATGCCCCGACCCTTAGAAGTTTTTCATGTGTAGTGTGCTCAAAGACAAGGTTACGGAGAAGGCTTCCGCT
GGATGGCACAGTACATTGATTAA
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Transaction Sequence

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MSFIFDWIYS GFSSVLQFLG LYKKTGKLVF LGLDNAGKTT LLHMLKDDRL GQHVPTLHPT SEELTIAGMT FTTFDLGGHV
QARRVWKNYL PAINGIVFLV DCADHERLLE SKEELDSLMT DETIANVPIL ILGNKIDRPE AISEERLREM FGLYGQTTGK
GSISLKELNA RPLEVFMCSV LKRQGYGEGF RWMAQYID
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