

## SAR1B cDNA

Catalog Number: ATGD0337

### PRODUCT INFORMATION

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**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

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**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**

# SAR1B cDNA

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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

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### Sequence nucleotides

```
ATGTCCTTCATATTTGATTGGATTTACAGTGGTTTTACAGCAGTGTGCTACAGTTTTTAGGATTATATAAGAAAACCTGGTAACT
GGTATTTCTTGGATTGGATAATGCAGGAAAAACAACATTGCTACACATGCTAAAAGATGACAGACTTGGACAACATGTCCCA
ACATTACATCCCCTTCCGAAGAACTGACCATTGCTGGCATGACGTTTACAACTTTTGATCTGGGTGGACATGTTCAAGCTC
GAAGAGTGTGGAAAAACTACCTTCCTGCTATCAATGGCATTGTATTTCTGGTGGATTGTGCAGACCACGAAAGGCTGTTAGA
GTCAAAAGAAGAACTTGATTCACTAATGACAGATGAAACCATTGCTAATGTGCCTATACTGATTCTTGGGAATAAGATCGACA
GACCTGAAGCCATCAGTGAAGAGAGGTTGCGAGAGATGTTTGGTTTATATGGTCAGACAACAGGAAAGGGGAGTATATCTC
TGAAAGAAGCTGAATGCCCCGACCCTTAGAAGTTTTTCATGTGTAGTGTGCTCAAAAGACAAGGTTACGGAGAAGGCTTCCGCT
GGATGGCACAGTACATTGATTAA
```

### Transaction Sequence

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