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# **RGS2 cDNA**

Catalog Number: ATGD0143

## **PRODUCT INFORMATION**

# Catalog number

ATGD0143

#### **Product type**

cDNA

# **Species**

Human

#### **NCBI Accession No.**

NP 002914.1

## **Alternative Names**

G058

#### mRNA Refseq

NM\_002923.3

#### **OMIM**

600861

#### **Chromosome location**

1q31

#### PRODUCT SPECIFICATION

#### **Formulation**

Lyophilized

## **Storage**

Store the plasmid at -20C.

# cDNA Size

636bp

# 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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Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 2 belongs to this family. RGS2 acts as a mediator of myeloid differentiation and may play a role in leukemogenesis.

#### **DATA**

## Sequence nucleotides

# **Transaction Sequence**

MQSAMFLAVQ HDCRPMDKSA GSGHKSEEKR EKMKRTLLKD WKTRLSYFLQ NSSTPGKPKTGKKSKQQAFI KPSPEEAQLW SEAFDELLAS KYGLAAFRAF LKSEFCEENI EFWLACEDFKKTKSPQKLSS KARKIYTDFI EKEAPKEINI DFQTKTLIAQ NIQEATSGCF TTAQKRVYSLMENNSYPRFL ESEFYQDLCK KPQITTEPHA T

