

RGS2 cDNA

Catalog Number: ATGD0143

PRODUCT INFORMATION

Catalog number

ATGD0143

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002914.1

Alternative Names

G0S8

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

```
ATGCAAAGTGCTATGTTCTTGGCTGTTCAACACGACTGCAGACCCATGGACAAGAGCGCAGGCAGTGGCCACAAGAGCGAG
GAGAAGCGAGAAAAGATGAAACGGACCCCTTTTAAAAGATTGGAAGACCCGTTTGAGCTACTTCTTACAAAATTCCTCTACTC
CTGGGAAGCCCAAAACCGGCCAAAAAAGCAAACAGCAAGCTTTCATCAAGCCTTCTCCTGAGGAAGCACAGCTGTGGTCAG
AAGCATTTGACGAGCTGCTAGCCAGCAAATATGGTCTTGCTGCATTGAGGGCTTTTTTAAAGTCGGAATTCTGTGAAGAAAA
TATTGAATTCTGGCTGGCCTGTGAAGACTTCAAAAAAACCAAATCACCCCAAAAGCTGTCCTCAAAAGCAAGGAAAAATATAT
ACTGACTTCATAGAAAAGGAAGCTCCAAAAGAGATAAACATAGATTTTCAAACCAAAACTCTGATTGCCCAGAATATACAAGA
AGCTACAAGTGGCTGCTTTACAACCTGCCCAGAAAAGGGTATACAGCTTGATGGAGAACAACCTTATCCTCGTTTCTTGAG
TCAGAATTCTACCAGGACTTGTGTAAAAAGCCACAAATCACCCACAGAGCCTCATGCTACATGA
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Transaction Sequence

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MQSAMFLAVQ HDCRPMDKSA GSGHKSEEKR EKMRTLLKD WKTRLSYFLQ NSSTPGKPKTGKSKQQAFI KPSPEEAQLW
SEAFDELLAS KYGLAAFRAF LKSEFCEENI EFWLACEDFKKTKSPQKLSS KARKIYTDFI EKEAPKEINI DFQTKTLIAQ
NIQEATSGCF TTAQKRVSLSMENNSYPRFL ESEFYQDLCK KPQITTEPHA T
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