

GCSAM cDNA

Catalog Number: ATGD0293

PRODUCT INFORMATION

Catalog number

ATGD0293

Product type

cDNA

Species

Human

NCBI Accession No.

NP_689998.1

Alternative Names

Germinal center-associated signaling and motility protein, Germinal center B-cell-expressed transcript 2 protein, GCSAM, GCAT2, HGAL, GCET2

mRNA Refseq

NM_152785.4

OMIM

607792

Chromosome location

3q13.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

537bp

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

GCSAM encodes a protein which may function in signal transduction pathways and whose expression is elevated in germinal cell lymphomas. It contains a putative PDZ-interacting domain, an immunoreceptor tyrosine-based activation motif (ITAM), and two putative SH2 binding sites. In B cells, its expression is specifically induced by interleukin-4. Alternative splicing results in multiple transcript variants encoding different isoforms.

DATA

Sequence nucleotides

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ATGGGAAATTCTCTGCTGAGAGAAAACAGGCGGCAGCAGAACAACACTCAAGAGATGCCTTGGAATGTGAGAATGCAAAGCCCC
AAACAGAGAACATCCAGATGCTGGGATCACCATATCGCTGAAGGGTGTCTTCTGCCTTCCATGGAAAAAATACTCATTITTTG
AAAAGAGGCAAGATTCCCAAACGAAAATGAAAGAATGTCATCTACTCCCATCCAGGACAATGTTGACCAGACCTACTCAGA
GGAGCTGTGCTATAACCCTCATCAATCATCGGGTTCTCTGTACAAGGCCATCAGGGAAGTCTGCTGAAGAGTACTATGAGAAT
GTTCCCTGCAAAGCTGAGAGACCCAGAGAGTCCTTGGGAGGAACTGAGACTGAGTATTCACCTTCTACATATGCCTTCTACAG
ACCCAGGCATGCCCGATCCCCAGAAGATGAATATGAACTTCTCATGCCTCACAGAATCTCCTCTCACTTTCTGCAACAGCC
ACGTCCAATTATGGCCCCTTCTGAGACTCAGTTTTCCATTATAG
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Transaction Sequence

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MGNSLLREN RQNTQEMPW NVRMQSPKQ TSRCWDHHA EGCFLPWKK ILIFEKRQDS QNENERMSST
PIQDNVDQTY SEELCYTLIN HRVLCTRPSG NSAEYYENV PCKAERPRES LGGTETEYSL LHMPSTDPRH ARSPEDEYEL
LMPHRISSHF LQQRPLMAP SETQFSHL
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