

## GCSAM cDNA

Catalog Number: ATGD0293

### PRODUCT INFORMATION

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**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

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**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 inserted 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

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#### Sequence nucleotides

ATGGGAAATTCTCTGCTGAGAGAAAACAGGCAGCAGAACACTCAAGAGATGCCTGGAATGTGAGAATGCAAAGCCCC  
AAACAGAGAACATCCAGATGCTGGATACCATACTGCTGAAGGGTGTTCATGCCCTCATGGAAAAAAATACTCATTGG  
AAAAGAGGCAAGATCCCCAAACGAAAATGAAAGAATGTCATCTACTCCCCTCAGGACAATGTTGACCAGACCTACTCAGA  
GGAGCTGTGCTATACCTCATCAATCATCGGGTTCTGTACAAGGCCATCAGGGAACTCTGCTGAAGAGTACTATGAGAAT  
GTTCCCTGAAAGCTGAGAGACCCAGAGAGTCCTGGGAGGAAGTGAAGTATTCACTTACATATGCCCTCACAG  
ACCCAGGCATGCCGATCCCCAGAAGATGAATATGAACCTCATGCCCTCACAGAACATCCCTCACTTCTGCAACAGCC  
ACGTCCACTTATGCCCTCTGAGACTCAGTTCCCATTATAG

#### Transaction Sequence

MGNSSLRENR RQNTQEMPW NVRMQSPKQR TSRCWDHHIA EGCFCLPWKK ILIFEKRQDS QNENERMSST  
PIQDNVDQTY SEELCYTLIN HRVLCTRPSG NSAEYYENV PCKAERPRES LGGTETEYSL LHMPSTDPRH ARSPEDEYEL  
LMPHRISSHF LQQPRPLMAP SETQFSHL