

Product datasheet for **RG207149**

GCET2 (GCSAM) (NM_152785) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GCET2 (GCSAM) (NM_152785) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GCET2
Synonyms: GCAT2; GCET2; HGAL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207149 representing NM_152785
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAAATTCTGCTGAGAGAAAACAGGCGGCAGCAGAACACTCAAGAGATGCCTTGAATGTGAGAA
 TGCAAAGCCCCAACAGAGAACATCCAGATGCTGGGATCACCATATCGCTGAAGGTGTTTCTGCCTTCC
 ATGAAAAAATACTCATTTTTGAAAAGAGGCAAGATCCCAAACGAAAATGAAAGAATGTCATCTACT
 CCCATCCAGGACAATGTTGACCAGACCTACTCAGAGGAGCTGTGCTATACCCTCATCAATCATCGGGTTC
 TCTGTACAAGCCATCAGGGAAGCTCTGCTGAAGAGTACTATGAGAATGTTCCCTGCAAAGCTGAGAGACC
 CAGAGAGTCCCTGGGAGGAAGTCTGAGACTGAGTATTCACTTCTACATATGCCTTCTACAGACCCAGGCAT
 GCCCGATCCCCAGAAGATGAATATGAACTTCTCATGCCTCACAGAATCTCCTCTCACTTTCTGCAACAGC
 CACGTCCACTTATGGCCCTTCTGAGACTCAGTTTTCCATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207149 representing NM_152785
 Red=Cloning site Green=Tags(s)
 MGNSLLRENRRQNTQEMPWNVRMQSPKQRTSRCWDHIIAEGCFCLPWKKILIFEKRQDSQNERMSST
 PIQDNVDQTYSEELCYTLINHRVLCTRPSGNSAEEYYENVCKAERPRESLGGTEIETYSLLHMPSTDPRH
 ARSPEDEYELLMPHRISSHFLQQRPLMAPSETQFSLH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_152785

ORF Size: 534 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_152785.5](#)

RefSeq Size: 3349 bp

RefSeq ORF: 537 bp

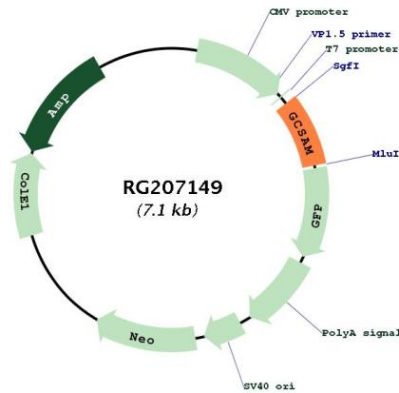
Locus ID: 257144

UniProt ID: [Q8N6F7](#)

Cytogenetics: 3q13.2

Gene Summary: This gene 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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207149