

Product datasheet for MC208529

Gcsam (NM_001159297) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gcsam (NM_001159297) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gcsam
Synonyms: Gcet; Gcet2; M17; M17-L
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208529 representing NM_001159297
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAACTGTTTGCAGAGGACAACCAGATGGCAGCTGGACATGCAGGAAACACCTTGAATCTGAGAC
 TCAGTGCCAAGGGAAGAACATGCAGATACTTCAGGGCTGGAGTTGTTGTACAGCGTTGAAGGATGCTC
 CTGCCTTCTTGGAAAAACATACGCACATTTAAAGCCAGACAAGAGTCTCAAAGCAAAATGAAGGGATG
 ACTTCAGCTCCCCTTCAGGACAATGCTAATGAGACCTACACAGAAGAGTTGTGCTACATCCTTGTGATC
 ACGAAGCTGTGAGGGGAAGGCCATCAGTGAACCCTGCTGAGGGGTTCTACGAGAATCTCTAACAAGGC
 TGAGAGACACAAAGAGTCTTCAAGAGGAACAGAGACTGAGTATTCGGTTCTCCGTTTCCCTTCTCCCCCT
 CAGCCCCACCTTCCACAGATGATGAATATGAACCTTATGCCAGCAGATTCTCCTCACATGCCTTTC
 AACAGCCACGGCCGCTTACAACCCCTACGAGACACACTTTTCTTATCCCAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001159297
Insert Size: 546 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<ol style="list-style-type: none">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:	<u>NM_001159297.1, NP_001152769.1</u>
RefSeq Size:	3364 bp
RefSeq ORF:	546 bp
Locus ID:	14525
UniProt ID:	<u>Q6RFH4</u>
Cytogenetics:	16 B5
Gene Summary:	<p>Involved in the negative regulation of lymphocyte motility. It mediates the migration-inhibitory effects of IL6. Serves as a positive regulator of the RhoA signaling pathway. Enhancement of RhoA activation results in inhibition of lymphocyte and lymphoma cell motility by activation of its downstream effector ROCK. Is a regulator of B-cell receptor signaling, that acts through SYK kinase activation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).</p>