

## Product datasheet for MC227465

### Crtam (NM\_001281954) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Crtam (NM_001281954) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crtam
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227465 representing NM_001281954 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGTGGGGAGCCCTCAGTTTGCTGTTCTGGGTGCCGGTGCAAGCAGCCTTTCTGAAAATGGAGACCG  
TCACGGTAGAGGAAGGCCAAACGCTCACTCTAACGTGTGTTACTTCTCAGACAAAAACGCTCTCTCCA  
GTGGCTGGCTCCCTCTGGGTTACCATTTTTTAAACCAGCATCTGCTTTAAAAAGCTCCAAATACCAG  
CTTCTTACCATTACACTACACAACCTCCATTAGTGTGTCCTCAATGTAACCTCCGAGAGGAAGGTGTGT  
ATACATGCTTGCACTACGGGAGTTCTGTGAAGACGAAGCAAGTGAAGTGAAGTGAAGTGAAGTGAAGT  
CCAGCCAACCGTGAAGCTTTGGTTCTCAGAAGGCAGAATGGAGAGAAAATCGGTTGTGCTGAAATGTTCC  
ACAGAGAGAAGCAAGCCCCGCCACAAATCACCTGGCTGCTGGGGAAAGGTCTGGAGATCTATGGTGAAC  
TCAACCATGAATTTGAAGCTGATGGGAAAATATGTAACACCAGCAGCATGCTCATCGCCCGCATAACGG  
CAAAAATCAACCGTGCCTGCTGATTATCCAGCAGCAGGGCTTGCACGGGAGAAAGCTGGTTGCCCTTCC  
CAGTTTGAAGATTTGGTTGCAGATCAAGAACTTCAGATCAAGAACTTCAGATGCCCTGAGCAGAGCT  
CTCTCTCTCCCAAGCCCTCCAGCAGCCACAAGTACAGTCTCAATGATGGAAAATTCAGTATACCAGA  
GACTGACAAGGAAGAGAAAGAACATGCCACTCAAGACCCTGGCTTGTCCACTGAAGCCAGTGTCTCAGCAT  
ACAGGACTGGCCCGGAGGAAGAGTGGTATCCTGCTGCTCACACTGGTGTCTTCTCATTTCATCTTT  
TCATCATCGTTACGCTTTCATCATGAAGCTGCGTAAAGCACACGTGGTATGGAAGAAGGAAAGTGAAT  
TTCAGAGCAAGCTCTAGAAAGTTACAGATCAAGATCCAACAACGAGGAGACATCTCCCAGGAGAATAGC  
AGCCAGGCTCCCCAGTCTAAGCGTTGCATGAAGTACATCACGCGTTATACTCGGGAGCCAAAACAAAGA  
AGAGTGCCAGCACTGGAAGCTCGGAGGCAAGCACAGCCGTGTCCCGGAGAGTATTGTGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja3079\\_a02.zip](https://cdn.origene.com/chromatograms/ja3079_a02.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001281954
<b>Insert Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001281954.1</a></u> , <u><a href="#">NP_001268883.1</a></u>
<b>RefSeq Size:</b>	1939 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	54698
<b>UniProt ID:</b>	<u><a href="#">Q149L7</a></u>
<b>Cytogenetics:</b>	9 21.79 cM
<b>Gene Summary:</b>	<p>Interaction with CADM1 promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>