

Product datasheet for **SC111356**

CRTAM (NM_019604) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRTAM (NM_019604) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRTAM
Synonyms:	CD355
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_019604 edited
GAATTCGGCACGAGGTGACAAAGGTGCCACAGCAGCAGCAGCAGTATGTGGTGGAGAGT
TCTCAGCTTGCTGGCATGGTTCCCCTTGCAAGAGGCCCTCTCTGACTAACCACACAGAAAC
CATCACCGTGGAGGAAGGCCAGACGCTCACTCTAAAGTGTGCACCTTCTCTGAGGAAGAA
CTCCTCCCTCCAGTGGCTGACCCCTCAGGGTTCACCATTTTTTAAATGAGTATCTCTGC
TTTTAAAAATTTCCAAATACCAGCTTCTTCATCACTCGGCAATCAGCTCTCCATCACTGT
GCCTAACGTAACCCCTGCAAGATGAAGGCGTGTACAAGTGCATTACATTACAGCGACTGT
AAGCACAAAGGAAGTGAAGTGATTGTGCTGGCAACTCCTTTCAAGCCAATCCTGGAAAGC
TTCAGTTATCAGAAAGCAAAATGGAGAAGAACATGTTGTACTCATGTGCTCCACCATGAG
AAGCAAGCCCCTCCGCAGATAACCTGGCTACTTGGGAATAGCATGGAAGTGTCCGGTGG
AACGCTCCATGAATTTGAAACTGATGGGAAGAAATGTAATACTACCAGCACTCTCATAAT
CCACACTTATGGCAAAAATTCACGGTGGACTGCATTATCCGACACAGAGGCCGCAAGG
GAGAAAAGTGTAGCACCTTCCGGTTTGAAGATTTGGTACTGATGAAGAGACAGCTTC
AGATGCTCTGGAGAGAACTCTCTATCCTCTCAAGACCCACAGCAGCCACCAGTACTGT
CTCAGTAACGGAAGATTCTAGTACATCGGAGATTGACAAGGAAGAGAAAGAAACAAACCAC
TCAAGATCCTGACTTGACCACCGAAGCAAAATCCTCAGTATTTAGGACTGGCAAGAAAGAA
AAGTGGCATCCTGCTGCTCACGCTGGTGTCTTCTCATTTCATACTCTTCATCATAGT
CCAGCTCTTCATCATGAAGCTGAGGAAAGCACATGTGATATGGAAGAAAGAAAACGAAGT
TTCAGAACACACACTAGAAAGTTACAGATCAAGGTCAAATAATGAAGAAACATCATCTGA
AGAGAAAATGGCCAATCTTCCCACCCTATGCGTTGCATGAACTACATCACAAGTTGTA
CTCAGAAGCAAAAACAAGAGGAAGGAAAATGTACAACATTCAAAATTAGAAGAAAAGCA
CATCCAAGTACCAGAGATTTTGTAGTGTCTCTGCAATGGAACATGTGATTTTCAGGG
TTGCCGCAGTGTCAACTCAGTGGACCAGCCTGGGGGAAGGAGCTTAATTGCTGAGACAT
AATAATGACCTCTTAGTGAATGCAAGATGGTGTCTCGGATAATGATCTGCCCCGGAGC
TAGGGCAGCAACATGAGGACCAAACCATGCACATAAAGCTTGTAGTTAAAAAAGAAAAG
CAAAAAATAATTATGCCTGACACTACTTCAGAGCAGGAGGATTCTACGAAGCCTTGGGG
ATCAGGGTCAGTGTGAGCAGCTAACATCCTACCTCAAATGGAACAGGATTTTTTGTAGT
TTGCTCTAATGGAAGTGTAAAAAATTTTTTTTTCTTTTTAATATTTCTTCTGGTTCAC
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TGGCCAGGCGGGTGGCTCATGCCTGTAATCCTAGCACTTGGGAGGCTGAGGTAGGCAG
ATCACTTGAGGTCAGGAGTTGGAGACCAGCCTGGCCAACATAGTGAACCCCGTCTCTAC
TAAAAATGCAAAAATTAGCCAGGCGTAGTGGTGCACCTGTAGTCTCAGATACTTGGGA
GGCTGAGGGTGGAGAATCGCTTGAACCTGGGAGGTGGAGATTGCAGTGAGTCAAGATCTC
ACCACTGCACTCCAGCCTGGGCGACAGAGGGGAGACTCTGTCTCAAAAAAAGAAAGTTAC
TTCCAAGACAGACTTTTTAAGATGTAACCAGCACAAAGCAATGTCAGGGAGGAGTGATACA
TGACAATAAATGAGTCAGATGAGCAAGAAGGCCCCAGAACCCATGCCCAAGGCACAAAG
AGGAGCTCAGGGTAGGCCAAAGATTGCAATCCTTAGATTACTAAATCACATGAGCGGA
CCTTGTCTGTGAGATAAGATTTTTACCTGGAAATTCATGACCAATACATGTGCAAAAAGA
AAATGATGGGTTGAATTTACTGATTATTGACCTAATGGATGGCTTTTTAAAAATGTTTTAA
TAAAAAGCAGAATAGATGTTTTTTTTCTAGTGGTTATACCAAGTTATACTTCTGTTTTT
CACGTGTGAAAGTAAACATGGGACATGCCTTTCTTTCCGATCAGTTTATTTAAGCTATAC
AGCAAACTTTGGCATTATGTGGAGCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_019604 unedited
 AGTTTAGATTTTGAATCCGACTTACTATAGGCGGCCGCAATTCGCACGAGGTGACAA
 AGGTGCCACAGCAGCACAGCAGTATGTGGTGGAGAGTTCTCAGCTTGGTGGCATGGTT
 CCCCTTGAAGAGGCCTCTGACTAACCACACAGAAACCATCACCGTGGAGGAAGGCCA
 GACGCTCACTCTAAAGTGTGCACTTCTCTGAGGAAGAACTCCTCCCTCCAGTGGCTGAC
 CCCCTCAGGGTTCACCATTTTTTAAATGAGTATCCTGCTTTAAAAAATCCAAATACCA
 GCTTCTCATCACTCGGCCAATCAGCTCTCCATCACTGTGCCTAACGTAACCCCTGCAAGA
 TGAAGGCGGTGACAAGTGCTTACATTACAGCGACTCTGTAAAGCACAAAGGAAGTGAAGT
 GATTGTGCTGGCAACTCCTTTCAAGCCAATCCTGGAAGCTTCAGTTATCAGAAAGCAAAA
 TGGAGAAGAACATGTTGTACTCATGTGCTCCACCATGAGAAGCAAGCCCCCTCCGAGAT
 AACCTGGCTACTTGGGAATAGCATGGAAGTGTCCGGTGGAAACGCTCCATGAATTTGAAAC
 TGATGGGAAGAAATGTAATACTACCAGCACTCTCATAATCCACACTTATGGCAAAAATTC
 AACGGTGGACTGCATTATCCGACACAGAGGCCTGCAAGGGAGAAAAGTGTAGCACCCCT
 CCGGTTTGAAGATTTGGTACTGATGAAGAGACAGCTTCCAGTGTCTGAGAGAAAAGTCT
 TCTATNCTCTCAAGACCCACAGCAGCCACCAGTACTGTCTCAGTAACGGAAGATTCTAG
 TACATCGGGAGATTGACAAGGAAGAGAAAAACAACCACTCAAGATCCTGACTTGACCA
 CCGAAGCAAACTCAGTATTTAGGACTGGCAGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_019604 unedited
 TTATTCGCATCCACATGAGAAAGCTCCACATAAAGCCAAGTTTGTGTATAGCTTAAATA
 AACTGATCGGAAAAGAAAGCATGTCCCATGTTACTTTACACGTGAAAACAGGAAGTATA
 ACTTGGTATAACCACTAGAAAAACAACATCTATTCTGCTTTTTATTAACATTTTAA
 AAGCCATCCATTAAGTCAATAATCAGTAAATTCACCCATCATTTTCTTTTGCACATGTA
 TTGGTCATGGAATTTCCAGGTAAAAATCTTATCTGACAGACAAAGTCCGCTCATGTGATT
 TAGTAATTAAGGAATTCGAATCTTTGGGCCTACCCTGAGCTCCTCTTTGTGCTTGGGG
 CATGGGTTCTGGGGCCTTCTTGCTCATCTGACTCATTTATTGTGATGATCACTCCTCCC
 TGACATTGCTTTGTGCTGGTTACATCTTAAAAGTCTGTCTTGGAAAGTAACTTCTTTTTT
 TTGAGACAGAGTCTCCCTCTGTGCCCCATGCTGGAGTGCAGTGGTGGAGATCTTGACTCAC
 TGCAATCTCCACCTNCCATGTTCAAGCGATTCTNACCCCTCAGCCTCCAGTATCTGAGA
 CTACAGGTGCGCACCCTACGCTGGCTAATTTTTGCATTTTTAGTAGAGACAGGGTTTC
 ACTATGTTGGCCAGCTGGTCTCCTACTNCTGACCTCAATGATCTGNCTACCTCAGCCTCC
 CAAGTGCTAGGATTACATGCATGATCCACCGGGCCTGGCCAGAAGTAACTTCTTAGATCA
 GAGATCTTTAAGTACTTTGCATCCCAAATTTCTTTATTTGTGGACCGAAGAAATTTAAAA
 AGAAAAAAATCTTTAACAGTTCCATTAGAGCAAAGCTTCAAAAAATCCTGTTCCCTTGAA
 GGTAGAAGTAGTCGGCTCACTGAACCTGATCCCAAAGCTGTAAATTCCTCCGCTCTGAA
 AATAGGCAGCTAATTATTTTTGCTTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_019604

Insert Size:

2770 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).

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:	NM_019604.2 , NP_062550.2
RefSeq Size:	2422 bp
RefSeq ORF:	1182 bp
Locus ID:	56253
UniProt ID:	O95727
Cytogenetics:	11q24.1
Domains:	ig, IG
Protein Families:	Transmembrane
Gene Summary:	<p>The CRTAM gene is upregulated in CD4 (see MIM 186940)-positive and CD8 (see CD8A; MIM 186910)-positive T cells and encodes a type I transmembrane protein with V and C1-like Ig domains (Yeh et al., 2008 [PubMed 18329370]).[supplied by OMIM, Feb 2009]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>