

Product datasheet for **RG209996**

CRTAM (NM_019604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRTAM (NM_019604) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRTAM
Synonyms:	CD355
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209996 representing NM_019604 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGTGGAGAGTTCTCAGCTTGTGGCATGGTCCCTTGCAAGAGGCCTCTCTGACTAACCACACAG
AAACCATCACCGTGGAGGAAGGCCAGACGCTCACTCTAAAGTGTGTCACTTCTCTGAGGAAGAATCCTC
CCTCCAGTGGCTGACCCCTCAGGGTTCACCATTTTTTAAATGAGTATCCTGTTTTAAAAAATTCAAA
TACCAGCTTCTTCATCACTCGGCAATCAGCTCCATCACTGTGCCTAACGTAACCTGCAAGATGAAG
GCGTGTACAAGTCTTACATTACAGCGACTCTGTAAAGCACAAGGAAGTAAAGTATTGTGCTGGCAAC
TCCTTTCAAGCAATCCTGGAAGCTTCACTTATCAGAAAGCAAAATGGAGAAGAATGTTGACTCATG
TGCTCCACCATGAGAAGCAAGCCCTCCGAGATAACCTGGCTACTTGGGAATAGCATGGAAGTGTCCG
GTGGAACGCTCCATGAATTTGAACTGATGGGAAGAAATGTAATACTACCAGCACTCTCATAATCCACAC
TTATGGCAAAAATTCACGGTGGACTGCATTATCCGACACAGAGGCCTGCAAGGGAGAAAAGTAGTAGCA
CCCTTCCGGTTTGAAGATTTGGTTACTGATGAAGAGACAGCTTCAGATGCTCTGGAGAGAAAAGTCTCTAT
CCTCTCAAGACCCACAGCAGCCACCAGTACTGTCTCAGTAACGGAAGATTCTAGTACATCGGAGATTGA
CAAGGAAGAGAAAAGAACAAACCCTCAAGATCCTGACTTGACCACCGAAGCAAATCCTCAGTATTTAGGA
CTGGCAAGAAAAGAAAAGTGGCATCCTGCTCAGCTCAGCTGGTGTCTTCTCATTCTCATACTCTTCATCA
TAGTCCAGCTCTTCATCATGAAGCTGAGGAAAACACATGTGATATGGAAGAAAAGAAAACGAAGTTTCAGA
ACACACACTAGAAAGTTACAGATCAAGGTCAAATAATGAAGAAACATCATCTGAAGAGAAAAAATGGCCAA
TCTTCCACCCTATGCGTTGCATGAACTACATCAAAAGTTGACTCAGAAGAAAAAACAAGAGGAAGG
AAAATGTACAACATTCAAATTAGAAGAAAAGCACATCCAAGTACCAGAGAGATTGTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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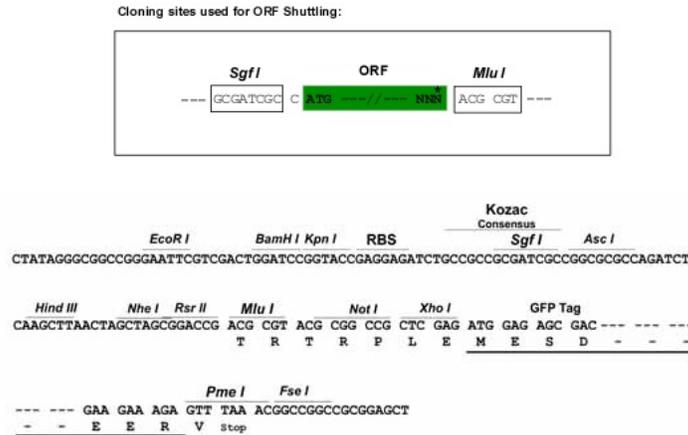
Protein Sequence: >RG209996 representing NM_019604
 Red=Cloning site Green=Tags(s)

MWWRVLSLLAWFPLQEASLTNHTETITVEEGQTLTKCVTSLRKNSLQWLTPSGFTIFLNEYPLKNSK
 YQLLHHSANQLSITVPNVTLQDEGVYKCLHYSDSVSTKEVKVIVLATPFKPILEASVIRKQNGEEHVLM
 CSTMRSKPPPQITWLLGNSMEVSGGTLHEFETDGKKCNTSTLIHTYGKNSTVDCIIRHRGLQGRKLVA
 PFRFEDLVTDEETASDALERNLSLSSQDPQOPTSTVSVTEDSSSTSEIDKEEKEQTTQDPDLTTEANPQYLG
 LARKKSGILLTLYSFLIFILFIIIVQLFIMKLRKTHVIWKKENEVSEHTLESYRSRSNNEETSSEEKNGQ
 SSHIPMRCMNYITKLYSEGKTKRKENVQHSKLEEKHIQVPESIV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019604

ORF Size: 1179 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_019604.2](#), [NP_062550.2](#)

RefSeq Size: 2422 bp

RefSeq ORF: 1182 bp

Locus ID: 56253

UniProt ID: [O95727](#)

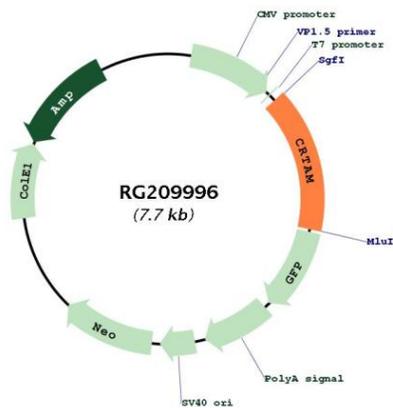
Cytogenetics: 11q24.1

Domains: ig, IG

Protein Families: Transmembrane

Gene Summary: 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]

Product images:



Circular map for RG209996