

## Product datasheet for **RC238565**

### **C3orf23 (TCAIM) (NM\_001282913) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C3orf23 (TCAIM) (NM_001282913) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TCAIM
Synonyms:	C3orf23; TOAG-1; TOAG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238565 representing NM\_001282913  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTTTGCCACCTGAGACCTATGAGGAGTTATGTCTAGAGAAGATATTTCCACACTGGTTTCCCTTTT  
 CAAGAGCTTTATCGGGAGCTGAAGCAGTCAATGCCTTGAGGCCTTCTATTTTGCAGTACATCCAGATTT  
 CTTTGGACAGCACCCCGTAGAAAGGAAATCAATGAAAATTCTCTTAAAAGGTTAAGTGTCTACCTAGAA  
 AACCTCCAGAAACCAGGCTTCAAGTCTTTGAAACCAACTCAGCTTACATTTTATGTAAGAGAAACAGACC  
 AGAGTTCCTCCGATGGCCAGGAACCTTTTAGTACTTCCGATTTTCGAGCAGTCAAATTTACTTTGCACAC  
 CAGAGATCTGCTAAGCACAGTGTATATATTCTCAACTCTGCAGTTTATCTGTTGAACATATCCAAAGC  
 TTGAATACTAATATGCATACCCAGCCTCTCAAAGAAGCTAAAAGGATGCCTGACAGGCCCATCAAATGGG  
 ACAAGTCTTATTACTCCTTTACTGGATTCAAGGACCCTGATGAAGACCTTGAACAAGTCTCGAGAGTGA  
 AACAACTCTCACATCCTGGTTAGATAACAATGGGAAAAGTGTCTGTTAAAAAGCTAAAGAACAGTTTGCCA  
 CTTAGAAAAGAACTAGATCGTTTAAAAGATGAAGTGTCTCATCAATTGCAACTCTCAGATATCAGGTGGC  
 AGAGGAGCTGGGGCATCGCCACCGCTGTAGCCAGCTGCATAGTTTAAAGCCGCTTAGCACAGCAGAAATTT  
 GGAAACACTTAAAAAGCAAAAGGGTGTACAATCATATTTACAGACCGTTCTGGCATGAGTGCAGTGGGC  
 CATGTGATGCTAGGAACAATGGATGTCCATCACCCTGGACAAAACCTTTTGAAGATTGCCAAGTTATT  
 TTGACCTTCAGAGGAGGCTGATGATTTTAGAAGACCAATAAGCTATCTTTTAGGTGGCATAACAAGTTGT  
 TTATATTGAAGAATTACAGCCAGTATTGACACTGAAGAATATTACTCTCTTCTTGATGTGTTTTATAAT  
 AGACTGTTGAAAAGTGAATACTATTTACCCTCGAAGTTTGCCTGGTTTACAAATGATCCTTAACAGTG  
 ACAGATATGCTCAAGCTTGCATGAACCTCGGCCATTTTAAATATTCCAACACTCTGTGATCCAGCAAATCT  
 CCAGTGGTTTATTCTACCAAAGCTCAGCAGGCAAGAGAGAACATGAAAAGAAAGGAAGTTAAAGGTT  
 ATTGAAAATGAATTGATACAGGCATCAACAAAGAAATTTCTTTGGAGAAGTTATATAAAGACCCAGCA  
 TTTCTAGTATACAAATGGTGGATTGTTGTAAGAGACTTCTAGAACAATCACTGCCTTACCTACATGGGAT  
 GCACCTCTGCATTTACATTTTTACTCTGTTATGCAAGATGGAGACCTTTGTATTCTTGGAAATGGAAG  
 AATGGAGAAGCCATTAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238565 representing NM\_001282913  
 Red=Cloning site Green=Tags(s)

MFCHLRPMRRLCLEKIFPHWPFPSRALSGAEAVNALRPFYFAVHPDFFGQHPVEREINENSLKRLSVYLE  
 NLQKPGFKSLKPTQLTFYVRETDQSSSDGQEPFSTSGFRAVKFTLHTRDLLSTVLYILNSCSLSVEHIQS  
 LNTNMHTQPLKEAKRMPDRPIKWDKSYYSFTGFKDPEDELEQVSRVETTLTSWLDNNGKSAVKKLNKSLP  
 LRKELDRLKDEL SHQLQLSDIRWQRSWIAHRCSQLHSLSRLAQQLNLETLLKAKGCTIIFTDTRSGMSAVG  
 HVMLGTMDVHHHTKLFERLPSYFDLQRRLMILEDQISYLLGGIQVYIEELQPVL TLEEYSLLDVFN  
 RLLKSRILFHPRSLRGLQMILNSDRYAPSLHELGHFNIPITLCDPANLQWFILTKAQQARENMKRKEELKV  
 IENELIQASTKKFSLEKLYKEPSSIQMVDCCKRLLLEQSLPYLHGMHLCSHFYSVMQDGDLCIPWNWK  
 NGEAIK

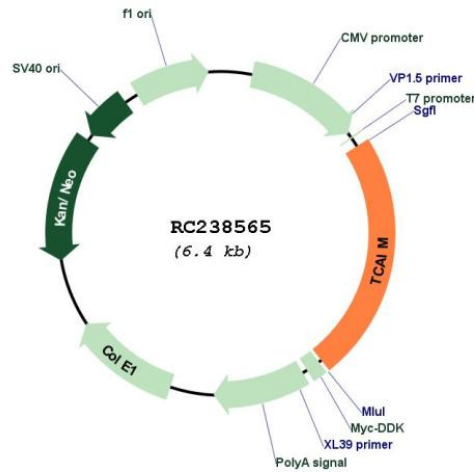
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



Plasmid Map:



ACCN: NM\_001282913

ORF Size: 1488 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\\_001282913.2](#)

**RefSeq Size:** 3520 bp

**RefSeq ORF:** 1491 bp

**Locus ID:** 285343

**UniProt ID:** [Q8N3R3](#)

**Cytogenetics:** 3p21.31

**MW:** 58.4 kDa

**Gene Summary:** May regulate T-cell apoptosis.[UniProtKB/Swiss-Prot Function]