

Product datasheet for **RG224319**

C3orf23 (TCAIM) (NM_173826) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | C3orf23 (TCAIM) (NM_173826) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | TCAIM |
| Synonyms: | C3orf23; TOAG-1; TOAG1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG224319 representing NM_173826
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTTGCCACCTGAGACCTATGAGGAGTTATGTCTAGAGAAGATATTTCCACACTGGTTTCCCTTTT
 CAAGAGCTTTATCGGGAGCTGAAGCAGTCAATGCCTTGAGGCCTTCTATTTTGCAGTACATCCAGATTT
 CTTTGGACAGCACCCCGTAGAAAGGAAATCAATGAAAATTCTCTTAAAAGGTTAAGTGTCTACCTAGAA
 AACCTCCAGAAACCAGGCTTCAAGTCTTTGAAACCAACTCAGCTTACATTTTATGTAAGAGAAACAGACC
 AGAGTTCTCCGATGGCCAGGAACCTTTAGTACTTCCGATTTTCGAGCAGTCAAATTTACTTTGCACAC
 CAGAGATCTGCTAAGCACAGTGTATATATTCTCAACTCTGCAGTTTATCTGTTGAACATATCCAAAGC
 TTGAATACTAATATGCATACCCAGCCTCTCAAAGAAGCTAAAAGGATGCCTGACAGGCCCATCAAATGGG
 ACAAGTCTTATTACTCTTTACTGGATTCAAGGACCCTGATGAAGACCTTGAACAAGTCTCGAGAGTGA
 AACAACTCTCACATCCTGGTTAGATAACAATGGGAAAAGTCTGTTAAAAAGCTAAAGAAGTTTGCCA
 CTTAGAAAAGAACTAGATCGTTTAAAAGATGAAGTGTCTCATCAATTGCAACTCTCAGATATCAGGTGGC
 AGAGGAGCTGGGGCATCGCCACCGCTGTGGCCAGCTGCATAGTTTAAAGCCGCTTAGCACAGCAGAATTT
 GGAAACACTTAAAAAGCAAAAGGGTGTACAATCATATTTACAGACCGTTCTGGCATGAGTGCAGTGGGC
 CATGTGATGCTAGGAACAATGGATGTCCATCACCCTGGACAAAACCTTTTGAAGATTGCCAAGTTATT
 TTGACCTTCAGAGGAGGCTGATGATTTTAGAAGACCAATAAGCTATCTTTAGGTGGCATAACAAGTTGT
 TTATATTGAAGAATTACAGCCAGTATTGACACTGAAGAATATTACTCTCTTCTGATGTGTTTTATAAT
 AGACTGTTGAAAAGTGAATACTATTTACCCTCGAAGTTTGCCTGGTTTACAAATGATCCTTAACAGTG
 ACAGATATGCTCAAGCTTGCATGAACTCGGCCATTTTAAATTTCAACACTCTGTGATCCAGCAAATCT
 CCAGTGGTTTATTCTACCAAAGCTCAGCAGGCAAGAGAGAACATGAAAAGAAAGGAAGTTAAAGGTT
 ATTGAAAATGAATTGATACAGGCATCAACAAAGAAATTTCTTTGGAGAAGTTATATAAAGGCCAGCA
 TTTCTAGTATACAAATGGTGGATTGTTGTAAGAGACTTCTAGAACAATCACTGCCTTACCTACATGGGAT
 GCACCTCTGCATTTACATTTTTACTCTGTTATGCAAGATGGAGACCTTTGTATTCTTGGAAATGGAAG
 AATGGAGAAGCCATTAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG224319 representing NM_173826
 Red=Cloning site Green=Tags(s)

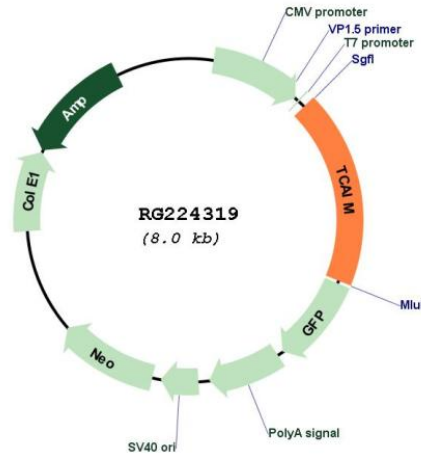
MFCHLRPMRRLCLEKIFPHWPFPSRALSGAEAVNALRPFYFAVHPDFFGQHPVEREINENSLKRLSVYLE
 NLQKPGFKSLKPTQLTFYVRETDQSSSDGQEPFSTSGFRAVKFTLHTRDLLSTVLYILNSCSLSVEHIQS
 LNTNMHTQPLKEAKRMPDRPIKWDKSYYSFTGFKDPDEDLEQVSRVETTLTSLWDNNGKSAVKKLNKSLP
 LRKELDRKDELSQLQLSDIRWQRSWGIAHRCGQLHSLSRLAQQLNLETLKAKGCTIIFDRSGMSAVG
 HVMLGTMVHHHWTKLFERLPSYFDLQRRLMILEDQISYLLGGIQVYVYIEELQPVLTL EEYYSLLDVFYN
 RLLKSRILFHPRSLRGLQMLNSDRYAPSLHELGHFNIPTLCDPANLQWFILTKAQQARENMKRKEELKV
 IENELIQASTKKFSLEKLYKEPSSISSIQMVDCKRRLLEQSLPYLHGMHLCSHFYSVMQDGLCIPWNWK
 NGEAIK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_173826

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_173826.2](#)

RefSeq Size: 3379 bp

RefSeq ORF: 1491 bp

Locus ID: 285343

UniProt ID: [Q8N3R3](#)

Cytogenetics: 3p21.31

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