

Product datasheet for **RG237659**

C3orf23 (TCAIM) (NM_001282914) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3orf23 (TCAIM) (NM_001282914) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C3orf23
Synonyms:	C3orf23; TOAG-1; TOAG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237659 representing NM_001282914. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCATACCCAGCCTCTCAAAGAAGCTAAAAGGATGCCTGACAGGCCCATCAAATGGGACAAGTCTTAT
TACTCCTTTACTGGATCAAGGACCCTGATGAAGACCTTGAACAAGTCTCGAGAGTGAAACAACCTCTC
ACATCCTGGTTAGATAACAATGGGAAAAGTGCTGTTAAAAGCTAAAGAACAGTTTGCCACTTAGAAAA
GAACTAGATCGTTTAAAAGATGAACTGTCTCATCAATTGCAACTCTCAGATATCAGGTGGCAGAGGAGC
TGGGGCATCGCCACCGCTGTAGCCAGCTGCATAGTTAAGCCGCTTAGCACAGCAGAATTTGGAAACA
CTTAAAAAAGCAAAGGGTGTACAATCATATTTACAGACCGTTCTGGCATGAGTGCAGTGGCCATGTG
ATGCTAGGAACAATGGATGTCCATCACCCTGGACAAAACCTTTTTGAAAGATTGCCAAGTATTTTGAC
CTTCAGAGGAGGCTGATGATTTTAGAAGACCAAATAAGCTATCTTTAGGTGGCATAACAAGTTGTTAT
ATTGAAGAATTACAGCCAGTATTGACACTTGAAGAATATACTCTCTTCTTGATGTGTTTATAATAGA
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AGATATGCTCCAAGCTTGCATGAACTCGGGCATTTAATATTCCAACACTCTGTGATCCAGCAAATCTC
CAGTGGTTTATTCTACCAAAGCTCAGCAGGCAAGAGAGAACATGAAAAGAAAGGAGATTAAGGTT
ATTGAAAATGAATTGATACAGGCATCAACAAAGAAATTTCTTTGGAGAAGTTATATAAAGAGCCCAGC
ATTTCTAGTATACAAATGGTGGATTGTTGTAAGAGACTTCTAGAACAATCACTGCCTTACCTACATGGG
ATGCACCTCTGCATTTTCATTTTTACTCTGTTATGCAAGATGGAGACCTTTGTATTCTTGGAAATTGG
AAGAATGGAGAAGCCATTAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237659
 Blue=ORF Red=Cloning site Green=Tag(s)

MHTQPLKEAKRMPDRPIKWKDSYYSFTGFKDPDEDLEQVSRVETTLT SWLDNNGKSAVKKLNKNSLPLRK
 ELDRLKDEL SHQLQLSDIRWQRSWGIAHRCSQLHSLSRLAQONLETLKKAGCTIIFTDRSGMSAVGHV
 MLGTMVHHHWTKL FERLP SYFDLQRRLMILEDQISYLLGGIQVYIEELQPVL TLEEYSLLDVFNLR
 LLKSRILFHPRSLRGLQ MILNSDRYAPSLHELGHFNIP TLCDPANLQWF ILTKAQQARENMKRKEELKV
 IENELIQASTKKFSLEKLYKEPSISSIQMVDCCCKRLL EQSLPYLHGMHLCSHFYSVMQDGLCIPWNW
 KNGEAIK
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282914

ORF Size: 1056 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.

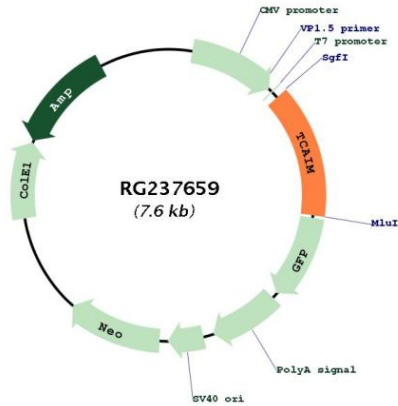
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001282914.2](#)

RefSeq Size: 3626 bp

RefSeq ORF: 1059 bp
 Locus ID: 285343
 UniProt ID: [Q8N3R3](#)
 Cytogenetics: 3p21.31
 MW: 41.7 kDa
 Gene Summary: May regulate T-cell apoptosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG237659