

## Product datasheet for **RG206331**

### TC2N (NM\_152332) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TC2N (NM_152332) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TC2N
Synonyms:	C2CD1; C14orf47; MTAC2D1; Tac2-N
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206331 representing NM\_152332  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAACAGAATTTATAAAGAGTTGCTGTGGAGGATGTTTCTATGGTGAACAGAAAAACACAACCTTTT  
 CTGTGGAAAGAGATTTTAAAGCAGCAGTCCCAAATAGTCAAATGCTACTATCTCTGTACCTCCATTGAC  
 TTCTGTTTCTGTAAAGCCTCAGCTTGGCTGTACTGAGGATTATTTGCTTCCAAATTACCATCTGATGGC  
 AAAGAAGTACCATTTGTGGTGCCCAAGTTTAAAGTTATCTTACATTCAACCCAGGACACAAGAACTCCTT  
 CACATCTGGAAGAACTTGAAGGATCTGCCAGAGCATCTTTGGAGATCGAAAGGTAGAAGTTTCCAGTTC  
 ATCCCAGCACGGACCTAGCTATGATGTGTATAACCCATTCTATATGTATCAGCACATTTACCTGATTTG  
 AGTCGACGCTTCTCCCGTTCAGAAGTGACGAGACTGTATGGATCGGTTTGTGATTTAAGGACGAACA  
 AACTTCCCGTTCCTCCCGTTCAGAAGTGAAGGATCTATGTTTGTATCTTACAACTCATCTCAGCGATTCATCCA  
 GAGACATGATTCATTGTCCAGTGTACCCAGTAGTTCTTCTTCAAGGAAAAATTCTCAGGGGAGTAACAGA  
 AGCCTGGATACAATTACTCTATCAGGAGATGAAAGGGACTTTGGGAGACTGAATGTGAAATGTTTTATA  
 ATTCTTCAGTAGAACAGATCTGGATCACAGTTTACAGTGCAGAGATTTAAGTTGGCCCTCTAGTTATGG  
 AGACACTCCTACTGTTTCTATAAAAGGAATACTTACATTGCCAAACAGTGCATTTCAAATCTTCAGCC  
 AAGGAAGTTCCAACGCTATTGAATTTATGAAACGTTTGTATTTGCTATTAACCTTCAAATCTACAAA  
 CTGTAAGACTTGTATTTAAGATTCAAACCCAGACTCCCAGGAAGAAAACCATGGAGAATGCTCAATGTC  
 ACTCAGAACCTTAGCACACAGGAAATGGATTACTCTTTGGATATAACACCACCTTCAAATTTCTGTT  
 TGCCATGCAGAACTTGAATTGGGACTTGTTTTCAAGCAGTAAATAGCAGAATTCAGTTACAAATTTCTG  
 AGGCACGGTACCTCCAAGCTCATCAACACCTCTGACTTTGAGTTTTTTCTGTAAGGTGGGATGTTTGG  
 CTCGGGAGAGTTGATTTATAAGAAAAAGACACGCTTACTGAAGGCTCCAATGGAAGAGTCAAGTGGGGA  
 GAGACTATGATTTTCCACTTATACAGAGTGAAAAAGAAATGTTTTTCTCATTAAAGCTTTACAGTCGAA  
 GCTCTGTAAGAAGAAAACACTTTGTGGCCAGATTTGGATAAGTGAAGACAGTAATAACATTGAAGCAGT  
 GAACCACTGGAAAGAGACAGTAATAATCCAGAAAAGGTTGTTATCAGGTGGCACAAATTAATCCATCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG206331 representing NM\_152332  
 Red=Cloning site Green=Tags(s)

MATEFIKSCCGGCFYGETEKHNFSVERDFKAAVPNSQNAATISVPPLTSVSVKPKQLGCTEDYLLSKLPSDG  
 KEVFPVVPKFKLSYIQPRTQETPSHLEELGASARASFGDRKVELSSSSQHGPSYDVYVNFYMYQHISPD  
 SRRFPFRSEVTRLYGSVCDLRTNKLPGSPGLSKSMFDLTNSSQRFIQRHDSLSSVPSSSSRKNSQGSNR  
 SLDTITLSGDERDFGRLNVKLFYNSSVEQIWIIVLQCRDLWPSSYGDPTVSIKILTLPKPVHFKSSA  
 KEGSNAIEFMETVFAIKLQNLQTVRLVFKIQTTPRKKTI GECMSLRTLSTQEMDYSLDITPPSKISV  
 CHAELELGTFCQAVNSRIQLQILEARYLPSSSTPLTSLFFVKVGMFSSGELIYKKKTRLLKASNGRVKWG  
 ETMIFPLIQSEKEIVFLIKLYSRSSVRRKHFVVGQIWIWSEDSNNIEAVNQWKETVINPEKVVRWHKLNPS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_152332

**ORF Size:** 1470 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\\_152332.5](#)

**RefSeq Size:** 4620 bp

**RefSeq ORF:** 1473 bp

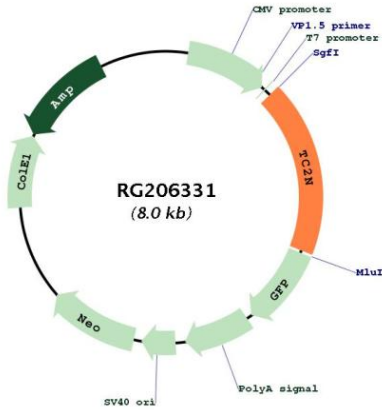
**Locus ID:** 123036

**UniProt ID:** [Q8N9U0](#)

Cytogenetics: 14q32.12

Domains: C2

**Product images:**



Circular map for RG206331