

Product datasheet for **RG225839**

TC2N (NM_001128595) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TC2N (NM_001128595) 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:

>RG225839 representing NM_001128595
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAACAGAATTTATAAAGAGTTGCTGTGGAGGATGTTTCTATGGTGAACAGAAAAACACAACCTTTT
 CTGTGGAAGAGATTTTAAAGCAGCAGTCCCAAATAGTCAAATGCTACTATCTCTGTACCTCCATTGAC
 TTCTGTTTCTGTAAGCCTCAGCTTGGCTGTACTGAGGATTATTTGCTTCCAAATTACCATCTGATGGC
 AAAGAAGTACCATTTGTGGTGCCCAAGTTAAAGTTATCTTACATTCAACCCAGGACACAAGAACTCCTT
 CACATCTGGAAGAACTTGAAGGATCTGCCAGAGCATCTTTGGAGATCGAAAGGTAGAAGTTCCAGTTC
 ATCCCAGCACGGACCTAGCTATGATGTGTATAACCCATTCTATATGTATCAGCACATTTACCTGATTTG
 AGTCGACGCTTCTCCCGTTCAGAAGTGACGAGACTGTATGGATCGGTTTGTGATTTAAGGACGAACA
 AACTTCCCGGTTCCCTGGGCTAAGCAAATCTATGTTTGATCTTACAAACTCATCTCAGCGATTCAATCCA
 GAGACATGATTCATTGTCCAGTGTACCCAGTAGTTCTTCTCAAGGAAAAATTCTCAGGGGAGTAACAGA
 AGCCTGGATACAATTACTCTATCAGGAGATGAAAGGGACTTTGGGAGACTGAATGTGAAATGTTTTATA
 ATTCTTCAGTAGAACAGATCTGGATCACAGTTTACAGTGCAGAGATTTAAGTTGGCCCTCTAGTTATGG
 AGACACTCCTACTGTTTCTATAAAGGAATACTTACATTGCCAAACAGTGCATTTCAAATCTTCAGCC
 AAGGAAGGTTCCAACGCTATTGAATTTATGAAACGTTTGTATTTGCTATTAACCTTCAAATCTACAAA
 CTGTAAGACTTGTATTTAAGATTCAAACCCAGACTCCCAGGAAGAAAACCATGGAGAATGCTCAATGTC
 ACTCAGAACCTTAGCACACAGGAAATGGATTACTCTTTGGATATAACACCACCTTCAAATTTCTGTT
 TGCCATGCAGAACTTGAATTGGGACTTGTTTTCAAGCAGTAAATAGCAGAATTCAGTTACAAATTTCTG
 AGGCACGGTACCTCCAAGCTCATCAACACCTCTGACTTTGAGTTTTTTCTGTAAGGTGGGAATGTTTG
 CTCGGGAGAGTTGATTTATAAGAAAAAGACACGCTTACTGAAGGCTCCAATGGAAGAGTCAAGTGGGGA
 GAGACTATGATTTTCCACTTATACAGAGTGAAAAAGAAATGTTTTTCTCATTAAAGCTTTACAGTCGAA
 GCTCTGTAAGAAGAAAACACTTTGTGGCCAGATTTGGATAAGTGAAGACAGTAATAACATTGAAGCAGT
 GAACCACTGGAAAGAGACAGTAATAATCCAGAAAAGGTTGTTATCAGGTGGCACAAATTAATCCATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG225839 representing NM_001128595
 Red=Cloning site Green=Tags(s)

MATEFIKSCCGGCFYGETEKHNFSVERDFKAAVPNSQNATISVPPLTSVSVKPKQLGCTEDYLLSKLPSDG
 KEVFPVVPKFKLSYIQPRTQETPSHLEELGASARASFGDRKVELSSSSQHGPSYDVYVNFYMYQHISPD
 SRRFPFRSEVTRLYGSVCDLRTNKLPGSPGLSKSMFDLTNSSQRFIQRHDSLSSVPSSSSRKNSQGSNR
 SLDTITLSGDERDFGRLNVKLFYNSSVEQIWIIVLQCRDLWPSSYGDTPVSIKILTLPKPVHFKSSA
 KEGSNAIEFMETFVFAIKLQNLQTVRLVFKIQTQTPRKKTI GECMSLRTLSTQEMDYSLDITPPSKISV
 CHAELELGTFCQAVNSRIQLQILEARYLPSSSTPLTSLFFVKVGMFSSGELIYKKKTRLLKASNGRVKWG
 ETMIFPLIQSEKEIVFLIKLYSRSSVRRKHFVVGQIWIWSEDSNNIEAVNQWKETVINPEKVVRWHKLNPS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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_001128595.2](#), [NP_001122067.1](#)

RefSeq Size: 4842 bp

RefSeq ORF: 1473 bp

Locus ID: 123036

UniProt ID: [Q8N9U0](#)

Cytogenetics: 14q32.12