

Product datasheet for **RG238156**

TC2N (NM_001289134) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TC2N (NM_001289134) 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)
ORF Nucleotide Sequence:	>RG238156 representing NM_001289134. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAACAGAATTTATAAAGAGTTGCTGTGGAGGATGTTTCTATGGTGAACAGAAAAACAACCTTT
TCTGTGGAAAGAGATTTTAAAGCAGCAGTCCCAAATAGTCAAAATGCTACTATCTCTGTACCTCCATTG
ACTTCTGTTTCTGTAAAGCCTCAGCTTGGCTGTACTGAGGATTATTTGCTTTCAAATTACCATCTGAT
GGCAAAGAAGTACCATTGTGGTGCCCAAGTTTAAAGTTATCTTACATTCAACCCAGGACACAAGAACT
CCTTCACATCTGGAAGAAGTGAAGGATCTGCCAGAGCATTTTTGGAGATCGAAAGGTAGAAGTTTCC
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GATTTGAGTCGACGCTTTCCCTCCCGTTTCAAGAAGTGACGAGACTGTATGGATCGGTTTGTGATTTAAGG
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TTCATCCAGAGACATGATTCATTGTCCAGTGTACCCAGTAGTTCTTCTTCAAGGAAAAATTCAGGGG
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GTAATAGCAGAATTCAGTTACAATTTTGGAGCAGGTACCTTCAAGCTCATCAACACCTCTGACT
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GAAATTGTTTTTCTCATTAAAGCTTTACAGTCAAGCTCTGTAAGAAGAAAACTTTGTGGGCCAGATT
TGGATAAGTGAAGACAGTAATAACATTGAAGCAGTGAACAGTGGAAAGAGACAGTAATAATCCAGAA
AAGGTTGTTATCAGGTGGCACAATTAATCCATCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238156
 Blue=ORF Red=Cloning site Green=Tag(s)

MATEFIKSCCGGCFYGETEKNHNSVERDFKAAVPNSQNATISVPPLTSVSVKPKQLGCTEDYLLSKLPSD
 GKEVPFVVPKFKLSYIQPRTQETPSHLEELGSRASFGDRKVELSSSSQHGPSYDVYNPFMYQHI SP
 DL SRRFP RSEVTRL YGSDLR TNKLP GSPGL SKSMFDL TNSSQRF IQRHDSL SVPSSSSSRKNSQG
 SNRSLDTITLSGDERDFGRLNVKLFYNSSVEQIWIITVLQCRDL SWPSSYGDTPVSIKIL TL PKPVHF
 KSSAKEGSNVCHAELELGTFCQAVNSRIQLQILEARYLPSSSTPLT L SFFVKVGMFSSGELIYKKKTRL
 LKASNGRVKGETMIFPLIQSEKEIVFLIKLYSRSSVRRKHFVQGQIWI SEDSNNIEAVNQWKETVINPE
 KVVIRWHKLNPS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001289134

ORF Size: 1278 bp

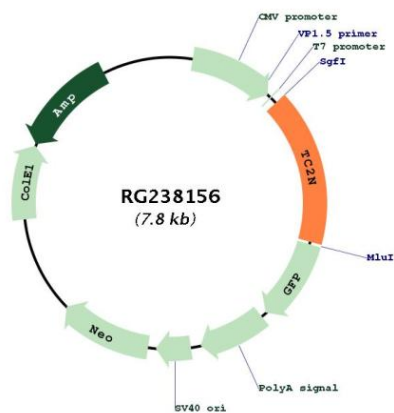
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001289134.1](#), [NP_001276063.1](#)

RefSeq Size: 4842 bp
 RefSeq ORF: 1281 bp
 Locus ID: 123036
 UniProt ID: [Q8N9U0](#)
 Cytogenetics: 14q32.12
 MW: 48.4 kDa

Product images:


Circular map for RG238156