

Product datasheet for **MG216776**

Tc2n (NM_001082976) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tc2n (NM_001082976) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tc2n
Synonyms:	4933406D09Rik; 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:

>MG216776 representing NM_001082976
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGCAGAATTTATAAAGAGTTGCTGTAGAGGATGTCTCTATGGTGAACAGAAAAGCAGAAGTTTT
 CTGTGGACAGAGACTTTAAAGCATCAGCCTCAAGTAGCCAAAATACCATTGGTATCCCTCCATTGACTTC
 TGGTCTAGTAAAGCCTCAAGTTGGCTGTAATGAAGATTATTTGCTTTCCAAATTACCATGTGATGGTAAA
 GAAGTACAATTTGTGGTGCCAGGTTTAAATTATCTTATATTCAGCCTAGGACACAAGGAATTCCTTAC
 ATCTGGATGAACTGGAAGGATCTGCTAGAGCATCTTTGGAGATCAAAGACAGAAGCTTTGTAGTTCATT
 CTACCATGGACCCAGCTATGATGTGTATAATCCATGCTATATGTATCAACACTTTTCACCTGATTTAAGT
 AGGCGCTTCTCCTCATTGTGAAACAAAACAGTTATATGGATCTGTTTGTGATTTAAGGACCAGTAAAC
 TTCTGGTTCCTCTGGGCTAAGCAAATCTATGCTTGATCTTACAACCTCATCTCAGCGATTATCCAGAG
 ACATGACTCATTTCCAGTGTTCTAGTAGTCTTCTTCAAGAAAAAATCTCAGGCGAGTAACAGAAGC
 CTGGATACAATTACCCTATCAGGAGATGAAAGAGACTTGGGGAGATTGAATGTGAAATTATTTTATAATT
 CTTTCAGCAGAGCAGATCTGGATCACAGTTTTGCAGTGCAGAGATAAAGTTGGCCCTCTAGTTATGGAGA
 CACTCCCACAATTTCTATAAAAAGGAATTTAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG
 GAAGGTTCCAATGCTATTGAATTTATGGAACATTTGATTTGCTATTAACTACAAAATCTCCAAGCTG
 TGAGACTTGCAATTAAGATTCAAACCCAGACTCCCAAGAAGAAAACCATTTGGAGAGTGTCTCTTTCACT
 CAGAACTCTTAGTACCCAGGAAATGGAGTACTCGTTGGAATAATAGCACCTTCAAAAATTTCTGTTTGC
 CAAGCAGAACTGAACTGGGACTTGTCTTCAAGCAGTAAATAGCAGGATTGAGTGCATTTGTTGAGTCT
 CACAATACCTTCCAAGTTCATCAACACCTTTGACTTTGAGTTTTTTTGTGAAAGTGGGGATGTTTAGCTC
 AGGAGAGCTGATTTACAAGAAGAAGACACGCTTATTGAAGGCCTCAGTGGAAAGATAAAATGGGAGAA
 ACTATGATTTTTCCACTTATACAGACTGAAAAAGAAATGTTTTTCTATTAACTTTATAGTCGGAGCT
 CTGTAAGAAGAAAACATTTGTAGGCCAGCTCTGGATAAGTGAAGACAGTAATAATATTGAAGCAGTGAA
 TCAATGGAAGAGACCATTACAAATCCGAAAAGGTTGTTATCAAGTGGCACAAGTTAAATCCATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216776 representing NM_001082976
 Red=Cloning site Green=Tags(s)

MAAEFIKSCCRGCLYGETEKQKFSVDRDFKASASSSQNTIGIPPLTSVLVKPQVGCNEDYLLSKLPCDGK
 EVQFVVPRFKLSYIQPRTQGIPSHLDELEGSARASFGDQKTELCSSFYHGPSYDVYNPCYMYQHFSPDLS
 RRFLPHCETKQLYGSVCDLRTSKLPGSSGLSKSMLDLTSSQRFIQRHDSFSSVPSSSSRKNSQGSNRS
 LDTITLSDERDLGRLNVKLFYNSSAEQIWIITVLQCRDISWPSSYGDPTTISIKGILTLKPVHFKSSAK
 EGSNAIEFMETFVFAIKLQNLQAVRLAFKIQTQPKKKTIGECSLRRTLSTQEMEYSLEIIAPSKISVC
 QAELELGTFCQAVNSRIQLQILEAQYLPSSSTPLTSLFFVKVGMFSSGELIYKKKTRLLKASSGRVKWGE
 TMIFPLIQTEKEIVFLIKLYSRSSVRRKHFFVQQLWISEDSSNNIEAVNQWKETITNPEKVVIKWHKLNPS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001082976

ORF Size: 1467 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_001082976.2](#), [NP_001076445.1](#)

RefSeq Size: 2110 bp

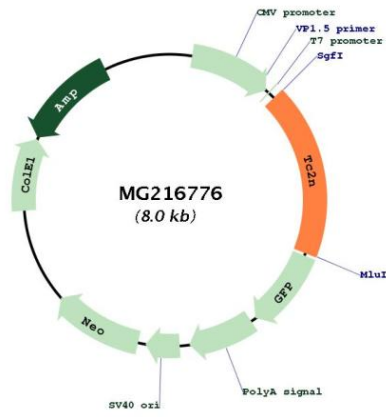
RefSeq ORF: 1470 bp

Locus ID: 74413

UniProt ID: [Q91XT6](#)

Cytogenetics: 12 E

Product images:



Circular map for MG216776