

Product datasheet for **MC227974**

Tc2n (NM_028924) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tc2n (NM_028924) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tc2n
Synonyms:	4933406D09Rik; Mtac2d1; Tac2-N
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227974 representing NM_028924
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCAGAATTTATAAAGAGTTGCTGTAGAGGATGTCTCTATGGTGAACAGAAAAGCAGAAGTTTT
CTGTGGACAGAGACTTTAAAGCATCAGCCTCAAGTAGCCAAAATACCATTGGTATCCCTCCATTGACTTC
TGTTCTAGTAAAGCCTCAAGTTGGCTGTAATGAAGATTATTTGCTTTCCAAATTACCATGTGATGGTAAA
GAAGTACAATTTGTGGTGCCAGGTTTAAATTATCTTATATTCAGCCTAGGACACAAGGAATTCCTTAC
ATCTGGATGAACTGGAAGGATCTGCTAGAGCATCTTTGGAGATCAAAGACAGAAGTTTGTAGTTCATT
CTACCATGGACCCAGCTATGATGTGTATAATCCATGCTATATGTATCAACACTTTTCACCTGATTTAAGT
AGGCGCTTCTCCTCATTGTGAAACAAAACAGTTATATGGATCTGTTTGTGATTTAAGGACCAGTAAAC
TTCTGGTTCCTCTGGGCTAAGCAAATCTATGCTTGATCTTACAACCTCATCTCAGCGATTATCCAGAG
ACATGACTCATTTCCAGTGTTCTAGTAGTTCCTCTTCAAGAAAAAATCTCAGGCGAGTAACAGAAGC
CTGGATACAATTACCCTATCAGGAGATGAAAGAGACTTGGGGAGATTGAATGTGAAATTATTTATAATT
CTTCAGCAGAGCAGATCTGGATCACAGTTTTGCAGTGCAGAGATAAAGTTGGCCCTCTAGTTATGGAGA
CACTCCCACAATTTCTATAAAAGGAATTTAACATTGTCCAAACCAGTGCATTTCAAATCTTCAGCCAAA
GAAGGTTCCAATGCTATTGAATTTATGGAACATTTGATTTGCTATTAACTACAAAATCTCCAAGCTG
TGAGACTTGCAATTAAGATTCAAACCCAGACTCCCAAGAAGAAAACCATTTGGAGAGTGTTCTCTTCACT
CAGAACTCTTAGTACCCAGGAAATGGAGTACTCGTTGGAATAATAGCACCTTCAAAAATTTCTGTTTGC
CAAGCAGAAGTTGAACTGGGACTTGTTCATCAAGCAGTAAATAGCAGGATTCAGCTGCAAAATCTTGAGC
ACAATACCTTCCAAGTTCATCAACACCTTTGACTTTGAGTTTTTTGTGAAAGTGGGGATGTTTAGCTC
AGGAGAGCTGATTTACAAGAAGAAGACACGCTTATTGAAGGCCTCCAGTGGAAAGATAAAAATGGGGAGAA
ACTATGATTTTTCCACTTATACAGACTGAAAAAGAAATGTTTTTCTATTAAACTTTATAGTCGGAGCT
CTGTAAGAAGAAAACATTTTGTAGGCCAGCTCTGGATAAGTGAAGACAGTAATAATATTGAAGCAGTGAA
TCAATGGAAGAGACCATTACAATCCGAAAAGGTTGTATCAAGTGGCACAAGTTAAATCCATCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028924

Insert Size: 1470 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_028924.3](#), [NP_083200.1](#)

RefSeq Size: 5665 bp

RefSeq ORF: 1470 bp

Locus ID: 74413

UniProt ID: [Q91XT6](#)

Cytogenetics: 12 E