

Product datasheet for **MR230185**

Tc2n (NM_028924) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230185 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCAGAATTTATAAAGAGTTGCTGTAGAGGATGTCTCTATGGTGAACAGAAAAGCAGAAGTTTT
 CTGTGGACAGAGACTTTAAAGCATCAGCCTCAAGTAGCCAAAATACCATTGGTATCCCTCCATTGACTTC
 TGTCTAGTAAAGCCTCAAGTTGGCTGTAATGAAGATTATTTGCTTTCCAAATTACCATGTGATGGTAAA
 GAAGTACAATTTGTGGTGCCAGGTTTAAATTATCTTATATTTCAGCCTAGGACACAAGGAATTCCTTAC
 ATCTGGATGAACTGGAAGGATCTGCTAGAGCATCTTTGGAGATCAAAGACAGAACTTTGTAGTTCATT
 CTACCATGGACCCAGCTATGATGTGTATAATCCATGCTATATGTATCAACACTTTTCACCTGATTTAAGT
 AGGCGCTTCTCCTCATTGTGAAACAAAACAGTTATATGGATCTGTTTGTGATTTAAGGACCAGTAAAC
 TTCTGGTTCCTCTGGGCTAAGCAAATCTATGCTTGATCTTACAACCTCATCTCAGCGATTATCCAGAG
 ACATGACTCATTTCCAGTGTTCTAGTAGTTCTTCTTCAAGAAAAAATCTCAGGCGAGTAACAGAAGC
 CTGGATACAATTACCCTATCAGGAGATGAAAGAGACTTGGGGAGATTGAATGTGAAATTATTTTATAATT
 CTTTCAGCAGAGCAGATCTGGATCACAGTTTTGCAGTGCAGAGATATAAGTTGGCCCTCTAGTTATGGAGA
 CACTCCCACAATTTCTATAAAAGGAATTTAAACATTGTCCAAACAGTGCATTTCAAATCTTCAGCCAAA
 GAAGGTTCCAATGCTATTGAATTTATGGAACATTTGTATTTGCTATTAAACTACAAAATCTCCAAGCTG
 TGAGACTTGCATTTAAGATTCAAACCCAGACTCCCAAGAAGAAAACCATTTGGAGAGTGTCTCTTTCACT
 CAGAACTCTTAGTACCCAGGAAATGGAGTACTCGTTGGAATAATAGCACCTTCAAAAATTTCTGTTTGC
 CAAGCAGAACTGAACTGGGACTTGTTTTCAAGCAGTAAATAGCAGGATTCAGCTGCAAATCTTGAGG
 CACAATACCTTCCAAGTTCATCAACACCTTTGACTTTGAGTTTTTTTGTGAAAGTGGGGATGTTTAGCTC
 AGGAGAGCTGATTTACAAGAAGAAGACACGCTTATTGAAGGCCTCCAGTGAAGAGTAAAAATGGGGAGAA
 ACTATGATTTTTCCACTTATACAGACTGAAAAAGAAATTGTTTTTCTATTAAACTTTATAGTCGGAGCT
 CTGTAAGAAGAAAACATTTTGTAGGCCAGCTCTGGATAAGTGAAGACAGTAAATAATTGAAGCAGTGAA
 TCAATGGAAGAGACCATTACAAATCCGAAAAGGTTGTATCAAGTGGCACAAGTTAAATCCATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230185 protein sequence
 Red=Cloning site Green=Tags(s)

MAAEFIKSCCRGCLYGETEKQKFSVDRDFKASASSQNTIGIPPLTSVLVKPQVGCNEDYLLSKLPCDGK
 EVQFVVPFRKLSYIQPRTQGIPSHLDELEGSARASFGDQKTELCSFYHGPSYDVYNPCYMYQHFSPDLS
 RRFLPHCETKQLYGSVCDLRTSKLPGSSGLSKSMLDLTSSQRFIQRHDSFSSVPSSSSRKNSQGSNRS
 LDTITLSGDERDLGRLNVKLFYNSSAEQIWITVLQCRDISWPSSYGDPTISIKGILTLKPVHFKSSAK
 EGSNAIEFMETFVAIKLQNLQAVRLAFKIQTQTPKKKTIGECSLSLRTLSTQEMEYSLEI IAPSKI SVC
 QAELELGTQAVNSRIQLQILEAQYLPSSSTPLTSLFFVKVGMFSSGELIYKKKTRLLKASSGRVKWGE
 TMIFPLIQTEKEIVFLIKLYSRSSVRRKHFVQQLWISEDSSNNIEAVNQWKETITNPEKVVIKWHKLNPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_028924

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

RefSeq Size: 5665 bp

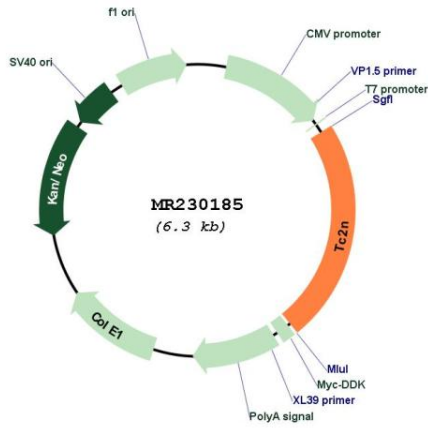
RefSeq ORF: 1470 bp

Locus ID: 74413

UniProt ID: [Q91XT6](#)

Cytogenetics: 12 E
 MW: 55 kDa

Product images:



Circular map for MR230185