

## Product datasheet for **MC221975**

### Tnni3k (NM\_177066) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tnni3k (NM_177066) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnni3k
Synonyms:	Cark; D830019J24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221975 representing NM\_177066  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGAATTACAAATCCAGACCGACACAGACTTGTCTGATGAATGGAAGAAGAAAGTTAGTGAATCTT  
 ATGCTATTATAATAGAAAGGCTGGAAGATGACCTGCAGATCAAAGAAAATGAATTTCAAGAACTAAGACA  
 CATCTTTGGCTCTGACGAAGCCTTCAGTGAAGTCAGTTTAAATTACCGCACAGAGCGTGGCCTGTCCCTA  
 CTGCACCTCTGCTGTGCCTGCGGTGGCAACAAGTCGCATATCCGTGCCCTTATGTTAAAAGGGCTCCGTC  
 CATCCAGACTGACAAGAAATGGGTTTCCAGCTCTGCCTGGCTGTTTACAAGGATAGCCTGGAACCTTAT  
 CACTTCACTGTTGCATAGCGGAGCAGATGTTGAGCAAGCGGGATATGGCGGCTCACAGCCCTCCACATC  
 GCTGCAATAGCTGGGCACCCAGAGGCCGTGGAAGTGTCTGCAGCATGGAGCCAATGTGAACGTTCAAG  
 ATGCAGCTTCTTACCCCACTGCACATCGCAGCCTATTACGGGCACGAGCAGGTAACCAGTGCCTTTT  
 GAAGTTTGGAGCTGATGTCAATGAAGCGGTGAAGTTGGAGACAGGCCTCTGCACCTGGCCTCTGCAAAA  
 GGGTTCTTCAACATTGTGAAACTCCTGGTAGAAGGGAACAAAGCCGACGTGAACGCTCAGGACAATGAAG  
 ACCATGTCCTCTGCACTTCTGTCTCGATTTGGACACCAATATAGTGAGCTACTTGCTCCAGAGTGA  
 CTTGGAGGTTACGCTCACGTCATTAACATCTATGGTGACACTCCTTGCACCTGGCGTGTACAATGGA  
 AATTTTGAAGTTGCCAAGGAAATTTGCCACGTAACAGGAACTGAAAGTCTGACTAAGGAAAAATCTTCA  
 GTGAGACAGCTTTTACAGTGTGTACCTATGGCAAGAACATTGACCTGGTCAAATTCCTTCTTGATCA  
 GAATGCTGTGAACATTAACCATCGAGGAAGAGATGGGCACACAGGATTACACTCTGCTTGTACCATGGC  
 CACATACGCTGGTTCAGTTCCTACTGGATAATGGTGCAGATATGAATCTAGTTGCTTGTATGCCAGCA  
 GGTTCTAGTGGTAAAAAGATGAGCAGACATGTTTGTATGTGGCTTATGAGAAAAGGACATGATCCCATG  
 TACACTCCTGAAGCACTATAAGAGACCCAGGATGAGCTGCCATGTAACGAATATTCTCAGCCTGGAGGA  
 GATGGCTCCTATGTGTCTGTCCATCCCTTGGGGAAGATTAAGCATGACAAAAGAGAGAGGCAGATG  
 TTCTCCTCCTGAGGGCTGAATTACCCTCCGTTTCCATCTGCAGCTCTCGGAAATGAATCCATGAGAT  
 TATCGGCTCAGGTTCTTTGGGAAAGTCTATAAAGGGCGATGCAGAAAATAAATAGTGGCAATCAAACGA  
 TACCGAGCCAACACCTACTGCTCCAAGTCAGACGTGGATATGTTTTGCCGAGAAGTGTCCATCCTCTGCC  
 AGCTCAATCACCCCTGCGTGGTTCAGTTTGTGGTGCCTGCCTGGATGACCCAGCCAGTTTGCATTGT  
 CACACAATACATTTCAGGAGGCTCTCTGTTCTCCCTGCTTCAAGCAGAAGAGAATTCTTGACTTGCAG  
 TCTAAATTAATCATTGCAGTAGACGTTGCCAAGGCATGGAGTACCTGCACAGCTTGACCCAGCCAATCA  
 TACACCGCAGCTGAACAGTCACAATATTCTTCTATGAGGACGCCATGCTGTGGTGGCAGATTTTGG  
 AGAATCAAGATTTCTGCAGTCCCTGGATGAAGACAACATGACAAAAGCAGCCAGGGAACTGCGCTGGATG  
 GCCCCGAGGTGTTTACACAGTGCACGCGCTACACCATCAAGGCTGATGTCTTACGTTACGCCCTGTGTC  
 TGTGGGAGCTCCTCACTGGAGAAATTCATTGCTCATCTGAAGCCAGCCGCTGCAGCAGCAGATATGGC  
 GTACCACCACATCAGACCTCCCATCGGCTACTCCATCCCCAAGCCAATCTCATCTCTGCTGATGCGGGGC  
 TGGAATGCATGTCCGAAGGAAGACCCGAGTCTCTGAAGTCGTTAGGAAGCTGGAGGAGTGCCTGTGTA  
 ACGTGGAGCTCATGTCTCTGCATCAAGTAACAGCAGTGGCTCTCTGTACCTTCTCTTCTTCTGATTG  
 CCTACTGAGCCGAGGAGGGCCTGGCCGGAGCCATGTGCCAGCTTTACGGAGTCGTTTTGAGTTGGAATAC  
 GCCCTAAATGCAAGTCTTACTGAGTGGCTCAAAGTGTGGGACACACACTAATCCAGCCTGTCTT  
 TGGAGGAAATGAACAGAGGTGCCAGTATTGAGCTGTTGACAAATATGGTACGTTGCTGATCCCATGAG  
 CCCGATGCACCTCCACTCCCGCCGAACAGTGGCAGCTTTGAGGACGGCAACT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2380\\_d03.zip](https://cdn.origene.com/chromatograms/ja2380_d03.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_177066

**Insert Size:** 2505 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_177066.5](#), [NP\\_796040.3](#)

**RefSeq Size:** 3042 bp

**RefSeq ORF:** 2505 bp

**Locus ID:** 435766

**UniProt ID:** [Q5GIG6](#)

**Cytogenetics:** 3 H4

**Gene Summary:** May play a role in cardiac physiology.[UniProtKB/Swiss-Prot Function]