

Product datasheet for **RN202725**

Tnni3k (NM_181769) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnni3k (NM_181769) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tnni3k
Synonyms:	Cark
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202725 representing NM_181769
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAATTACAAATCCAGACCAACACAGACTTGTCTGATGAATGGAAGAAGAAAGTTAGTGAATCTT
 ACGCTATTATCATAGAAAGGCTGGAGGATAACCTGCAGATCAAAGAAAATGAATTTCAAGAACTAAGGCA
 CATCTTTGGCTCTGATGAAGCCTTCAGTGAAGTCAAGTTAAATTACCGCAGAGCGTGGCCTGTCCCTG
 CTACACCTCTGCTGTGTCTGTGGCGGCAACAAGTACATATCCGTGCCCTTATGTTAAAAGGGCTCCGTC
 CATCCAGACTGACGAGAAATGGGTTTCCAGCTCTGCACCTGGCCGTTTACAAGGACAGCCCGAACTTAT
 CACTTCACTGTTGCACAGCGGAGCAGATGTTCAAGTGGGATACGGTGGCCTCACAGCCCTCCACATA
 GCTGCAATAGCTGGACACCCAGAGGCTGCAGAAGTGTCTACAACATGGGGCAATGTGAATGTTCAAG
 ATGCCGCTTCTTCACCCCTGCACATTGCAGCCTACTATGGGCAGGAGCAGGTAACAGTGTCCCTTT
 GAAGTTTGGTGTGATGTCAATGAAGCGGTGAAGTTGGGACAGGCCTCTGCACCTGGCCTCTGCAAG
 GGCTTCTTCAACATTGTGAAACTCCTGGTAGAAGAAGGGAGCAAAGCAGATGTGAACGCTCAGGACAATG
 AAGACCACGTCCCTCTGCACTTCTGTTCTCGATTTGGACACCACAATATAGTGAGCTACCTGCTCCAGAG
 TGACTTAGAGGTCACGCTCACGTATTAACTATGTTGACTCCTTTGCACCTGGCATGCTACAAT
 GGAAATTTGAAGTTGCCAAGGAAATGTCCAGGTAACAGGAACTGAAAGTCTGACTAAGGAAAACATCT
 TCAGCGAGACAGCTTTTACAGTGTCTGACCTATGGCAAGAATTGACCTGGTCAAATTTCTTCTTGA
 TCAGAATGCTGTGAACATTAACACCGAGGAAGAGATGGGCACACAGGATTGACTCTGCTTGTGATCCCA
 GCAGGTAGTGGTGAAGAGATGAGCAGACATGTTGATGTGGGCTTACGAGAAAAGGACATGATGCCAT
 TGTTACACTCCTGAAGCACTACAAGAGACCCAGGAGGAGCTGCCATGTAAACGAATATTTCCAGCCTGGA
 GGAGATGGCTCCTATGTGTCTGTTCTTCCCTTGGGCAAGATTAAGCATGACAAAAGAGAAGGCAG
 ATGTTCTCCTCTGAGGGCTGAACCTCCCGCTTCCATCTCCAACCTCCGAAATCGAGTTCACGGA
 GATTATCGGCTCGGGTCTTTGGGAAAGTCTATAAAGGGCGATGCAGAAAATAAATAGTGGCGATCAA
 CGATACCGAGCCAACACCTACTGCTCCAAGTCAAGCTGGATATGTTTTGCCGAGAGGTGCCATTTCT
 GCCAGCTCAACCCCTGCGTGGTTCAGTTTGTGGTGCCTGCCTGGATGACCCAGTCAGTTTGCAT
 TGTCACTCAGTACATTTCAAGAGGCTCCCTGTTCTCCCTGCTTCAAGACAAGAGAATTTGACTTG
 CAGTCTAAATTAATCATTGCGGTAGACGTTGCCAAGGCGATGGAGTACCTGCACAGCTTGACCCAGCCAA
 TCATACACCGCGACCTGAACAGCCACAATATTCTGCTCTATGAGGATGGCCATGCTGTGGTGGCAGATTT
 TGGAGAATCAAGATTTCTGCAGTCCCTGGATGAAGACAACATGACAAAAGCAGCCAGGGAACCTGCGCTGG
 ATGGCCCTGAGGTGTTACACAGTGCACGAGATACACCATCAAGGCTGATGTCTTCACTTCCCTGT
 GTCTGTGGGAGCTCCTCACTGGAGAAATTCATTCGCTCATCTCAAGCCAGCCGCTGCAGCAGCAGATAT
 GGCGTATCACCACATCAGACCGCCATCGGCTATTCCATCCCCAAGCCATCTCATCCCTGCTGATACGG
 GGCTGGAATGCATGTCTGAAGGACGACCAGAGTTCTCTGAAGTCGTTAGCAAATGGAGGAGTGCCTAT
 GCAATGTGGAGCTCATGTCTCCAGCATCAAGTAACAGCAGTGGCTCTCTGTCACCTTCTCTTCTCCGA
 TTGCCTGCTGAGCCGGGAGGGCCTGGCCGGAGCCAGTGGCAGCCTTACGGAGCCGTTTTGAGTTGGAG
 TATGCCCTAAATGCAAGTCTATGCTGGTGGTCCCAAAGTGTGGAACACACTAATCCGGGCTGT
 CTTTGGAGGAGATGAATAGGAGCACCCAGTATTCAACTGTTGACAAATACGGCTATGTGTCTGATCCCAT
 GAGCCTGACGCACCTTCACTCCCGCAAGACGACAGCAACTTTGAGGACAGCAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_181769
Insert Size: 2508 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 or by calling 301.340.3188 option 3 for pricing and delivery.

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).

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_181769.1](#), [NP_861434.1](#)

RefSeq Size: 2982 bp

RefSeq ORF: 2508 bp

Locus ID: 295531

UniProt ID: [Q7TQP6](#)

Cytogenetics: 2q45

Gene Summary: kinase enzyme; interacts specifically with cardiac troponin I; human homolog is a cardiac specific kinase [RGD, Feb 2006]