

Product datasheet for **MR216887**

Tnni3k (NM_177066) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide
Sequence:

>MR216887 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGAATTACAAATCCAGACCGACACAGACTTGTCTGATGAATGGAAGAAGAAAGTTAGTGAATCTT
ATGCTATTATAATAGAAAGGCTGGAAGATGACCTGCAGATCAAAGAAAATGAATTTCAAGAACTAAGACA
CATCTTTGGCTCTGACGAAGCCTTCAGTGAAGTCAGTTTAAATTACCGCACAGAGCGTGGCCTGTCCCTA
CTGCACCTCTGCTGTGCCTGCGGTGGCAACAAGTCGCATATCCGTGCCCTTATGTTAAAAGGGCTCCGTC
CATCCAGACTGACAAGAAATGGGTTTCCAGCTCTGCACCTGGCTGTTTACAAGGATAGCCTGGAACCTTAT
CACTTCACTGTTGCATAGCGGAGCAGATGTTTCAAGCGGGATATGGCGGCTCACAGCCCTCCACATC
GCTGCAATAGCTGGGCACCCAGAGGCCGTGGAAGTGTCTGCAGCATGGAGCCAATGTGAACGTTCAAG
ATGCAGCTTCTTCACCCCTGCACATCGCAGCCTATTACGGGCACGAGCAGGTAACCAAGTGCCTTTT
GAAGTTTGGAGCTGATGTCAATGAAGCGGTGAAGTTGGAGACAGGCCTCTGCACCTGGCCTCTGCAAAA
GGGTTCTTCAACATTGTGAAACTCCTGGTAGAAGGGAACAAAGCCGACGTGAACGCTCAGGACAATGAAG
ACCATGTCCTCTGCACTTCTGTCTCGATTTGGACACCAATATAGTGAAGTACTTGGCTCCAGAGTGA
CTTGGAGGTTTCAAGCTCAGTCAATTAACATCTATGGTGACACTCCTTGCACCTGGCGTGTACAATGGA
AATTTTGAAGTTGCCAAGGAAATTTGCCACGTAACAGGAACTGAAAGTCTGACTAAGGAAAAATCTTCA
GTGAGACAGCTTTTACAGTGTCTGTACCTATGGCAAGAACATTGACCTGGTCAAATTCCTTCTTGATCA
GAATGTGTGAACATTAACATCGAGGAAGAGATGGGCACACAGGATTACACTCTGCTTGTACCATGGC
CACATACGCTGGTTCAGTTCCTACTGGATAATGGTGCAGATATGAATCTAGTTGCTTGTATCCAGCA
GGTCTAGTGGTAAAAAGATGAGCAGACATGTTTGTATGTGGCTTATGAGAAAGGACATGATCCATTGT
TACACTCCTGAAGCACTATAAGAGACCCAGGATGAGCTGCCATGTAACGAATATTCTCAGCCTGGAGGA
GATGGCTCCTATGTGTCTGTCCATCCCTTGGGGAAGATTAAGCATGACAAAAGAGAGGAGGATG
TTCTCCTCCTGAGGGCTGAATTACCCTCCGTTTCCATCTGCAGCTCTCGGAAATGAATCCATGAGAT
TATCGGCTCAGGTTCTTTGGGAAAGTCTATAAAGGGCGATGCAGAAAATAAATAGTGGCAATCAAACGA
TACCGAGCCAACACCTACTGCTCCAAGTCAAGCTGGATATGTTTTGCCGAGAAGTGTCCATCCTCTGCC
AGCTCAATCACCCCTGCGTGGTTCAGTTTGTGGTGCCTGCCTGGATGACCCAGCCAGTTTGCATTGT
CACACAATACATTTCAGGAGGCTCTCTGTTCTCCCTGCTTCAAGACAGAAAGAGAATTCTTGACTTGCAG
TCTAAATTAATCATTGCAGTAGACGTTGCCAAGGCATGGAGTACCTGCACAGCTTGACCCAGCCAATCA
TACACCGCAGCTGAACAGTCAATATTTCTTCTATGAGGACGGCCATGCTGTGGTGGCAGATTTTGG
AGAATCAAGATTTCTGCAGTCCCTGGATGAAGACAACATGACAAAAGCAGCCAGGGAACTGCGCTGGATG
GCCCCGAGGTGTTTACACAGTGCACACGCTACACCATCAAGGCTGATGTCTTACGTTACGCCCTGTGTC
TGTGGGAGCTCCTCACTGGAGAAATTCATTGCTCATCTGAAGCCAGCCGCTGCAGCAGCAGATATGGC
GTACCACCACATCAGACCTCCCATCGGCTACTCCATCCCCAAGCCAATCTCATCTCTGCTGATGCGGGGC
TGGAATGCATGTCCCGAAGGAAGACCCGAGTCTCTGAAGTCGTTAGGAAGCTGGAGGAGTGCCTGTGTA
ACGTGGAGCTCATGTCTCTGCATCAAGTAACAGCAGTGGCTCTCTGTACCTTCTCTTCTTCTGATTG
CCTACTGAGCCGAGGAGGGCCTGGCCGGAGCCATGTGCCAGCTTTACGGAGTCGTTTTGAGTTGGAATAC
GCCCTAAATGCAAGGTCCTACTGGTGGCCTCAAAGTGTGGGACACACACTAATCCAGGCCTGTCTT
TGGAGGAAATGAACAGAGGTGCCAGTATTCAAGCTGTTGACAAATATGGTACGTTGCTGATCCCATGAG
CCCGATGCACCTCCACTCCCGCCGAACAGTGGCAGCTTTGAGGACGGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216887 protein sequence

Red=Cloning site Green=Tags(s)

MGNYKSRPTQTCSDEWKKKVSSEYAIIEERLEDDLQIKENEFQELRHIFGSDEAFSEVSLNYRTERGLSL
LHLCCACGGNKSHIRALMLKGLRPSRLTRNGFPALHLAVYKDSLELITSLHSGADVQQAGYGGLTALHI
AAIAGHPEAVEVLLQHGANVNVQDAVFFTPLHIAAAYYGHEQVTSVLLKFGADVNVSGEVGDRPLHLASAK
GFFNIVKLLVEGNKADVNAQDNEDHVPLHFCSRFGHHNIVSYLLQSDLEVQPHVINIYGDTPHLACYNG
NFEVAKEIVHVTGTESLTKENIFSETAFHSACTYGNIDLVKFLLDQNAVNIHRGRDGHTGLHSACYHG
HIRLVQFLLDNGADMNLVACDPSRSSGEKDEQTCLMWAYEKGHDAIVTLLKHYKRPQDELPCNEYSQPGG
DGSYVSPSPLGKIKSMTKEKADVLLLRAELPSRFHLQLSEIEFHEIIGSGSFGKVKGRCRNKIVAIAIKR
YRANTYCSKSDVDMFCREVSILCQLNHPCVVQFVGACLDPSQFAIVTQYISGGSLFSLLEHQKRIIDLQ
SKLIIAVDVAKGMEYLHSLTQPIIHRDLNSHNILLYEDGHAVVADFGESRFLQSLDEDNMTKQPGNLRWM
APEVFTQCTRYTIKADVFSYALCLWELLTGEIPFAHLKPAAAAADMAYHHIRPPIGYSIPKPISSLLMRG
WNACPEGRPEFSEVVRKLEELCNVELMSPASSNSGSLSPSSSDCLLSRGGPGRSHVAALRSRFELEY
ALNARSYTGWPQSVGTHNPGLSLEEMNRGAQYSAVDKYGYVSDPMSPMHLHSRRNSGSFEDGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



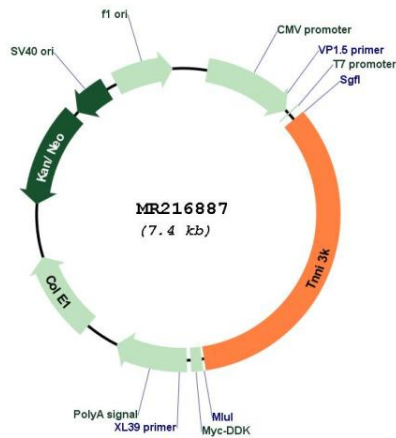
ACCN: NM_177066

ORF 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 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](#)

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:	<ol style="list-style-type: none"> 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:	<u>NM_177066.3</u> , <u>NM_177066.4</u> , <u>NM_177066.5</u> , <u>NP_796040.3</u>
RefSeq Size:	3042 bp
RefSeq ORF:	2505 bp
Locus ID:	435766
UniProt ID:	<u>Q5GIG6</u>
Cytogenetics:	3 H4
MW:	92.6 kDa
Gene Summary:	May play a role in cardiac physiology.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR216887