

Product datasheet for **MC209540**

Tnnc1 (NM_009393) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnc1 (NM_009393) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tnnc1
Synonyms: AI874626; cTnC; cTnl; TnC; tncc
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209540 representing NM_009393
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATGACATCTACAAAGCTGCGGTAGAACAGTTGACAGAGGAGCAGAAGAATGAGTTCAAGGCTGCCT
TTGATATCTTTGTCTGGGCGCGGAGGATGGCTGCATCAGCACCAAGGAGCTGGGCAAGGTGATGAGGAT
GCTGGGCCAGAACCCACACCTGAGGAGCTGCAGGAGATGATTGACGAAGTAGACGAGGATGGCAGTGGC
ACAGTGGACTTCGATGAGTTCTTGTTCATGATGGTTTCGGTGCATGAAGGACGACAGCAAAGGGAAGTCTG
AGGAGGAGCTGTGCGATCTCTCCGCATGTTTGACAAAAACGCTGATGGCTACATTGACTTAGATGAGCT
GAAGATGATGCTGCAGGCCACAGGTGAGACCATTACGGAAGATGACATTGAAGAGCTCATGAAGGACGGT
GACAAGAACAACGATGGCCGAATTGACTATGACGAGTTCCTGGAATTCATGAAGGGTGTGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_009393
Insert Size: 486 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).



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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_009393.2</u> , <u>NP_033419.1</u>
RefSeq Size:	703 bp
RefSeq ORF:	486 bp
Locus ID:	21924
UniProt ID:	<u>P19123</u>
Cytogenetics:	14 19.09 cM
Gene Summary:	Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments.[UniProtKB/Swiss-Prot Function]