

Product datasheet for MC209563

Tnnt2 (NM_001130174) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnt2 (NM_001130174) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tnnt2
Synonyms: cTnT; Tnt
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209563 representing NM_001130174
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGACGCCGAGGAGGTGGTGGAGGAGTACGAGGAGGAACAGGAAGAAGCTGTGGAAGGGAAGACT
 GGAGTGAAGAAGAGGAGGACGAGCAAGAGGAGGCAGTGGAGGAGGAGGCTGGTGGGGCTGAACCTGA
 GCCTGAGGGTGAGGCTGAGACAGAGGAGGCCAACGTAGAAGAGGTTGGTCTGATGAAGAAGCCAAAGAT
 GCTGAAGAAGGTCCAGTAGAGGACACCAACCCAGCCAGCAGGCTCTTCATGCCCAACTTGGTGCCAC
 CCAAGATCCCCGATGGAGAGAGAGTGGACTTTGATGACATCCACAGGAAGCGCGTGGAGAAGGACCTGAA
 TGAGCTACAGACTCTGATCGAGGCTCACTTCGAGAACAGGAAGAAGGAGGAAGAGGAGCTGATTTCCCTC
 AAAGACAGGATCGAAAAGCGTCGGGCAGAGCGGGCCGAGCAGCAGCGTATTCGCAATGAGCGGGAGAAGG
 AAAGGCAGAACCCTGGCTGAAGAGAGGGCCCGCGTGGAGGAGGAGGAACAGGAGGAAGGCTGAGGA
 TGAGGCCCGGAAGAAGAAGGCTCTGTCCAACATGATGCACTTTGGAGGGTACATCCAGAAGACAGAGCGG
 AAGAGTGGGAAGAGACAGACAGAGAGAGAAGAAGAAGATCCTGGCAGAGAGGAGGAAGGCGCTGG
 CCATCGACCACCTGAATGAAGACCACTGAGAGAGAAGGCCAAGGAGCTGTGCCAGAGATTCCAAACCT
 GGAGGCTGAGAAGTTTCACCTGCAGGAAAAGTTCAAGCAGCAGAAATACGAAATCAACGTTCTGCCAAAC
 CGGATCAATGACAACCAGAAAGTCTCCAAAACCTCGTGGGAAGGCCAAAGTCAACGGCGTTGAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130174
Insert Size: 909 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).
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_001130174.2</u> , <u>NP_001123646.1</u>
RefSeq Size:	1232 bp
RefSeq ORF:	909 bp
Locus ID:	21956
Cytogenetics:	1 59.32 cM
Gene Summary:	<p>Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>