

Product datasheet for **MR221583**

Tnnt3 (NM_001163664) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnt3 (NM_001163664) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tnnt3
Synonyms: fTnT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221583 representing NM_001163664
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGACGAGGAACTGAACAAGTTGAGGAACAATACGAAGAGGAAGAGGAGGCCAAGAGGAAGAAG
TCCAGGAGGAAGCCCCGAACCAGAGGAAGTCCAAGAAGATGCTGTGCGCGAGGAGGAGCGGGAGGAGGA
CGAGGAAGAGGAGAAACCAAGACCCAACTTACTGCTCCTAAGATCCCGAAGGGGAGAAAGTAGACTTT
GATGACATCCAGAAGAAGCGTCAAACAAGGACCTCATGGAGCTCAAGCCCTCATTGACAGCCACTTTG
AAGCTAGAAAGAAGAAGAAGAGGAGCTAATCGCACTTAAGAAAGAATTGAGAAGCGCCGTGCAGAGAG
GGCTGAGCAGCAAAGAATTCGCGCTGAGAAGGAGCGGGAACGCCAGAACAGATTGGCGGAGGAGAAGGCC
AGAAGAGAGGAGGAGGATGCCAAGAGGAGAGCTGAAGATGACATGAAGAAGAAAAAGGCTCTGTCCTCCA
TGGGTGCCAACTACAGCAGCTACCTGGCCAAGGCTGACCAGAAGAGAGGCAAGAAACAGACAGCCCGGGA
AATGAAAAAGAAGATTCTTGCCGAAAGGCGCAAGCCTCTGAACATTGACCATCTTAGCGATGACAAGCTG
AGGGACAAGGCCAAGGAAGCTCTGGGATACCTTGTACCAACTGGAGACTGACAAATTCGAGTTTGGGGAGA
AGCTGAAACGTCAGAAATATGATATCACCACCCTCAGGAGCCGCATTGACCAAGCCCAGAAGCACAGCAA
GAAGGCCGGTGCCACAGCCAAGGCAAAGTCCGGTGGGCGCTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221583 representing NM_001163664
 Red=Cloning site Green=Tags(s)

MSDEETEQVEEQYEEEEEAQEEVQEEAPEPEEVQEDAVAEEREEDDEEEKPRPKLTAPKIPEGEKVDV
 DDIQKKRQNKDLMELQALIDSHFEARKKEEELIALKERIEKRRERAQQRIRAEKERERQNRLAEKA
 RREEDAKRRAEDDMKKKALSSMGANYSSYLAKADQKRGGKQTAREMKKILAERRKPLNIDHLSDDKL
 RDKAKELWDTLYQLETDKFEFGEKLRQKYDITLRSRIDQAQKHSKAGATAKGVGGRWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001163664

ORF Size: 816 bp

OTI Disclaimer: 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:

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_001163664.1](#), [NP_001157136.1](#)

RefSeq Size: 1108 bp

RefSeq ORF: 819 bp

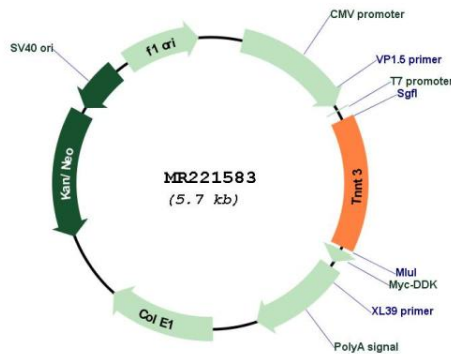
Locus ID: 21957

Cytogenetics: 7 87.94 cM

MW: 32.7 kDa

Gene Summary: 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]

Product images:



Circular map for MR221583