

Product datasheet for MR222201

Tnnt3 (NM_001163669) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnnt3 (NM_001163669) 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:	>MR222201 representing NM_001163669 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGTCTGACGAGGAACTGAACAAGTTGAGGAACAATACGAAGAGGAAGAGGAGGCCAAGAGGAAGAAGTCCAGGAGGAAGCCCCGAACCAGAGGAAGTCCAAGAAGAGGAGAAACCAAGACCCAACTTACTGCTCCTAAGATCCCGAAGGGGAGAAAGTAGACTTTGATGACATCCAGAAGAAGCGTCAAAACAAGGACCTCATGAGCTCCAAGCCCTCATTGACAGCCACTTTGAAGCTAGAAAGAAAGAAGAAGAGGAGCTAATCGCACTTAAGAAAGAATTGAGAAGCGCCGTGCAGAGAGGGCTGAGCAGCAAAGAATTCGCGCTGAGAAGGAGCGGGAACGCCAGAACAGATTGGCGGAGGAGAAGGCCAGAAAGAGAGGAGGATGCCAAGAGGAGAGCTGAAGATGACATGAAGAAGAAAAGGCTCTGTCTCCATGGGTGCCAACTACAGCAGCTACCTGGCCAAGGCTGACCAGAAGAGAGGCAAGAAAACAGACAGCCCGGAAATGAAAAAGAAGATTCTTGCCGAAAGGCCAAGCCTCTGAACATTGACCATCTTAGCGATGACAAGCTGAGGGACAAGGCCAAGGAACTCTGGGATACCTTGTACCACTGGAGACTGACAAATTCGAGTTTGGGGAGAAGCTGAAACGTGAGAAATATGATATCACCACCCTCAGGAGCCGATTGACCAAGCCCAGAAGCACAGCAAGAAGGCCGGTGCCACAGCCAAGGGCAAAGTCGGTGGCGCTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222201 representing NM_001163669
 Red=Cloning site Green=Tags(s)

MSDEETEQVEEQYEEEEEAQEEEVQEEAPEPEEVQEEKPRPKLTAPKIPEGEKVDFFDIQKKRQNKDLM
 ELQALIDSHFEARKKEEEELIALKERIEKRRARAEEQQRIRAERERQNRLAEEKARREEDAKRRAED
 DMKKKKALSSMGANYSSYLAKADQKRGKKQTAREMKKKILAERRKPLNIDHLSDDKLRDKAKELWDTLYQ
 LETDKFEFGEKLRQKYDITTLRSRIDQAQKHSKKAGATAKGVGGRWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001163669

ORF Size: 777 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_001163669.1](#), [NP_001157141.1](#)

RefSeq Size: 1069 bp

RefSeq ORF: 780 bp

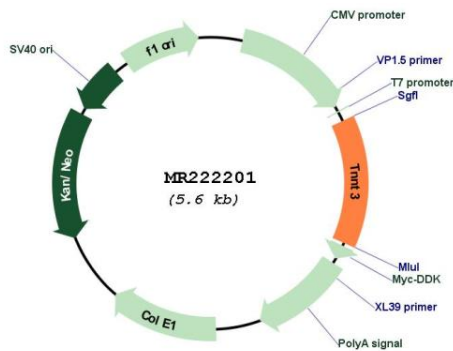
Locus ID: 21957

Cytogenetics: 7 87.94 cM

MW: 31.2 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 MR222201