

Product datasheet for **RR203453**

Tnnt1 (NM_134388) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnnt1 (NM_134388) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnnt1
Synonyms:	Fang2; sTnT; tnTs
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203453 representing NM_134388 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGACACCGAAGAACAAGAATATGAGGAGGAACAGGCAGAAGATGAGGAAGCAGTGGAGGAAGAAG
CCCCGAGGAGCCGGAGCCGGTGGCAGAGCGAGAAGAAGAGCGCCCAAACCCAGCCGTCCTGTGGTTCC
TCCTTTGATTCTCCGAAGATCCAGAAGGGGAGCGTGTGGACTTTGATGACATTCACCGAAGCGCATG
GAGAAAGACTTACTGGAGCTGCAGACGCTCATCGATGTGCACTTTGAGCAGCGGAAAAAGGAAGAGGAGG
AACTATTGCGCTAAAAGACCGTATTGAGAGGCGTCGCGCAGAGAGAGCTGAGCAACAGCGCTTCAGAAC
AGAAAAGGAGCGAGAACGCCAGGCCAAGCTGGCGGAGGAGAAGATGCGGAAGGAGGAGGAGGAGGCAAAG
AAGAGAGCAGAGGATGACGCCAAAAAGAAGAAGTTTCTGTCCAACATGGGGGCTCATTTTGGGGCTACC
TGGTCAAGGCAGAACAGAAGCGTGGGAAGCGACAGACTGGTCGGGAGATGAAACTCAGGATCCTGTCTGA
GAGGAAAAAGCCCTTGAACATCGACTACATGGGGGAGGACCAGCTCCGGGAGAAGGCCAGGAGCTGTCA
GAATGGATCCACCAGCTGGAATCGGAGAAATTTGACCTGATGGAGAAATTGAAGCAACAGAAATATGAGA
TCAATGTGCTGTACAACCGCATCAGTCATGCCAGAAATTCGAAAGGGGGCTGGGAAGGGTCGAGTTGG
AGGCCGCTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR203453 representing NM_134388
 Red=Cloning site Green=Tags(s)

MSDTEEQEYEEEAQAEDEEAVEEEAPEEPEPVAEREEERPKPSRPVVPPLIPPKIPEGERVDFDDIHRKRM
 EKDLLELQTLIDVHFEQRKKEEEELIALKDRIERRRAERAEQQRFRTEKERERQAKLAEKMRKEEEAAK
 KRAEDDAKVVLSNMGAHFGGYLVKAEQKRGKRQTGREMKLRILSERKKPLNIDYMGEDQLREKAQELS
 EWIHQLESEKFDLMEKLVKQKYEINVLNRI SHAQKFRKGAGKGRVGRWK

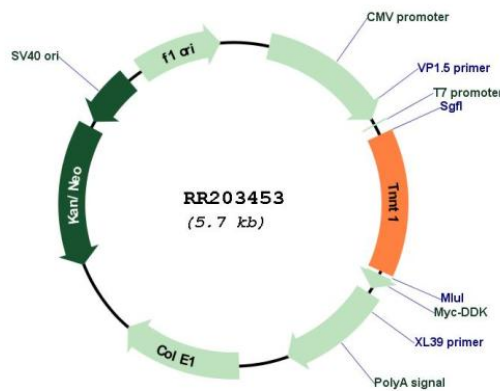
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_134388
ORF Size: 783 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:	<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:	NM_134388.2 , NP_599215.2
RefSeq Size:	944 bp
RefSeq ORF:	786 bp
Locus ID:	171409
UniProt ID:	Q7TNB2
Cytogenetics:	1q12
MW:	31.2 kDa
Gene Summary:	human homolog plays a role in the calcium sensitivity of contraction in skeletal muscle [RGD, Feb 2006]