

## Product datasheet for **RR216158**

### Tnnt3 (NM\_001270670) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnnt3 (NM\_001270670) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tnnt3  
**Synonyms:** Tnt  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216158 representing NM\_001270670  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCTGACGAGGAACTGAACAAGTTGAGGAGGAGGCCAGGAGGAAGAAGTCCAGGAGGAAGCCCCGG  
AACCAGAGGAAGTCCAAGAAGAGGAGAAACCAAGACCCAACTTACTGCTCCTAAGATCCCGGAAGGAGA  
GAAAGTAGACTTCGATGATATCCAGAAGAAGCGTCAGAACAAGGACCTCATGGAGCTCCAGGCCCTCATT  
GACAGCCACTTTGAAGCTAGAAAGAAAGAAGAAGAGGAGCTAATTGCACTTAAGGAAAGAATTGAAAAGC  
GCCGTGCAGAGAGGGCTGAGCAGCAAAGGATTCGCGCTGAGAAGGAGCGGGAGCGCCAGAACAGACTGGC  
GGAGGAGAAGGCCAGAAGAGAGGAGGAAGATGCCAAGAGGAGAGCTGAAGATGACTTGAAGAAGAAAAAG  
GCTCTGCTCCTCTATGGGTGCCAACTACAGCAGCTACCTGGCCAAGGCTGACCAGAAGAGAGGCAAGAAAC  
AGACAGCCCGGAAATGAAAAAGAAGATTCTTGCTGAAAGGCGCAAACCTCTGAACATTGACCATCTTAG  
TGATGATAAGCTGAGGGACAAGGCCAAGGAACTCTGGGATACCTTGTACCACTGGAGACTGACAAATTT  
GAGTTTGGGAGAAGCTGAAACGTCAGAAATACGATATCATGACTGTCCGGCCAGAGTGGAGATGCTGG  
CCAAGTTCAGCAAGAAGGCCGGTCCACAGCCAAGGGCAAAGTCGGCGGGCGCTGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216158 representing NM\_001270670  
 Red=Cloning site Green=Tags(s)

MSDEETEQVEEEAQEEVQEEAPEPEEVQEEKPRPKLTAPKIPEGEKVFDDIQKKRQNKDLMELQALI  
 DSHFEARKKEEELIALKERIEKRRAERAEQQRIRAEKERERQNRLAEEKARREEEDAKRRAEDDLK  
 ALSSMGANYSSYLAKADQKRGKKQTAREMKKKILAERRKPLNIDHLSDDKLRDKAKELWDTLYQLETDKF  
 EFGKELKRQKYDIMITVRARVEMLAKFSKKAGATAKGVVGRWK

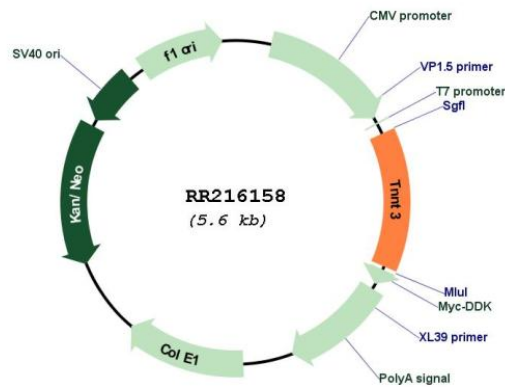
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001270670  
**ORF Size:** 759 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001270670.1</a> , <a href="#">NP_001257599.1</a>
<b>RefSeq Size:</b>	1062 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	24838
<b>UniProt ID:</b>	<a href="#">P09739</a>
<b>Cytogenetics:</b>	1q41
<b>MW:</b>	29.9 kDa
<b>Gene Summary:</b>	plays a role in muscle contraction [RGD, Feb 2006]