

## Product datasheet for **RR216155**

### Tnnt3 (NM\_001270675) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnnt3 (NM\_001270675) 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:** >RR216155 representing NM\_001270675  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCTGACGAGGAACTGAACAAGTTGAGGAACAGTACGAAGAGGAAGAGGAGGCCAGGAGGAAGAGG  
AAGTCCAAGAAGAGGAGAAAACCAAGACCCAACTTACTGCTCCTAAGATCCCGAAGGAGAGAAAAGTAGA  
CTTCGATGATATCCAGAAGAAGCGTCAGAACAAAGGACCTCATGGAGCTCCAGGCCCTATTGACAGCCAC  
TTTGAAGCTAGAAAAGAAAAGAAGAAGAGGAGCTAATTGCACTTAAGGAAAAGATTGAAAAGCGCCGTGCAG  
AGAGGGCTGAGCAGCAAAGGATTCGCGCTGAGAAGGAGCGGGAGCGCCAGAACAGACTGGCGGAGGAGAA  
GGCCAGAAGAGAGGAGGAAGATGCCAAGAGGAGAGCTGAAGATGACTTGAAGAAGAAAAGGCTCTGTCC  
TCTATGGGTGCCAACTACAGCAGCTACCTGGCCAAGGCTGACCAGAAGAGAGGCAAGAAAACAGACAGCCC  
GGGAAATGAAAAGAAGATTCTTGCTGAAAGGCGCAAACCTCTGAACATTGACCATCTTAGTGATGATAA  
GCTGAGGGACAAGGCCAAGGAACCTCTGGGATACCTGTACCAACTGGAGACTGACAAATTTGAGTTTGGG  
GAGAAGCTGAAACGTGAGAAATACGATATCATGACTGTCCGGCCAGAGTGGAGATGCTGGCCAAGTTCA  
GCAAGAAGGCCGGTGCCACAGCCAAGGGCAAAGTCGGCGGGCGCTGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216155 representing NM\_001270675  
 Red=Cloning site Green=Tags(s)

MSDEETEQVEEQYEEEEEAQEEEEVQEEKPRPKLTAPKIPEGEKVDFDDIQKKRQNKDLMELQALIDSH  
 FEARKKEEELIALKERIEKRAERAQQRIRAEKERERQNLAEKARREEDAKRRAEDDLKKKALS  
 SMGANYSYLAKADQKRGKKQTAREMKKKILAERRKPLNIDHLSDDKLRDKAKELWDTLYQLETDKFEFG  
 EKLRQKYDIMITVRARVEMLAKFSKKAGATAKGVGGRWK

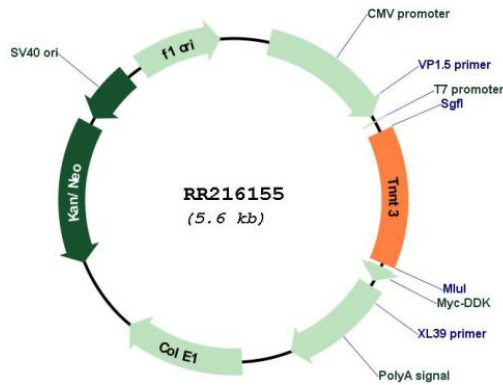
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001270675  
**ORF Size:** 750 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_001270675.1</a> , <a href="#">NP_001257604.1</a>
<b>RefSeq Size:</b>	1053 bp
<b>RefSeq ORF:</b>	753 bp
<b>Locus ID:</b>	24838
<b>Cytogenetics:</b>	1q41
<b>MW:</b>	29.7 kDa
<b>Gene Summary:</b>	plays a role in muscle contraction [RGD, Feb 2006]