

## Product datasheet for RR213341

### Tnni1 (NM\_017184) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Tnni1 (NM\_017184) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Tnni1  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR213341 representing NM\_017184  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCGGAAGTTGAGAGGAAATCTAAGATCACTGCCTCCCGTAAACTCATGCTGAAGAGCCTGATGCTAG  
CCAAGGCCAAGGAGTGTGGGAGCAGGAGCACGAGGAGCGAGAGGCTGAGAAGGTGCGTTACCTCTCGGA  
GCGCATCCCTACGCTGCAGACCCGCGTCTTCCCTCAGCGCCCTCAGGACTTATGCCGAGAGCTCCAT  
GCCAAGGTGGAGGTGGTGGATGAGGAGCGCTATGATATCGAAGCCAAATGCCTCCACAACACGAGAGAGA  
TCAAGGACCTGAAGCTGAAGGTGCTGGACCTCCGTGGGAAGTTCAAGCGTCCACCCTGCGCCGGGTCCG  
TGTCTCAGCCGACGCCATGCTCCGAGCCCTACTGGTTCCAAACACAAGGTGTCCATGGATCTGCGGGCC  
AACCTCAAGTCTGTGAAGAAAGAAGACACAGAAAAGGAGCGGCCAGTGGAGGTGGGAGACTGGAGGAAGA  
ACGTGGAGGCCATGTCTGGCATGGAAGTTCGCAAGAAGATGTTTCGATGCTGCCAAGTCCCCAACCTTGCA  
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213341 representing NM\_017184  
Red=Cloning site Green=Tags(s)

MPEVERKSKITASRKLMLKSLMLAKAKECWEQEHEEREAEKVRYLSERIPTLQTRGLSLALQDLCRELH  
AKVEVVDEERYDIEAKCLHNTREIKDLKLVLDLRGKFKRPPLRRVRSADAMLRALLGSKHKVSMDLRA  
NLKSVKKEDTEKERPVEVGDWRKNVEAMSGMEGRKKMFDAAKSPTLQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKVV

Restriction Sites: Sgfl-MluI

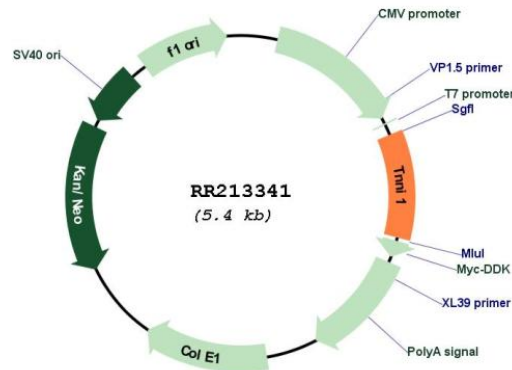


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_017184

ORF Size: 561 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.

<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_017184.1</a> , <a href="#">NP_058880.1</a>
<b>RefSeq Size:</b>	821 bp
<b>RefSeq ORF:</b>	564 bp
<b>Locus ID:</b>	29388
<b>UniProt ID:</b>	<a href="#">P13413</a>
<b>Cytogenetics:</b>	13q13
<b>MW:</b>	21.7 kDa
<b>Gene Summary:</b>	thin filament contractile regulatory protein; inhibits contractile interaction of myosin and actin [RGD, Feb 2006]