

## Product datasheet for MC202154

### Tnni1 (NM\_021467) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnni1 (NM\_021467) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tnni1  
**Synonyms:** 2700018B22Rik; AI747285; ssTnl  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC023170 sequence for NM\_021467  
 GCCTGGGGAGACAGGACAGTGGTTAAGGCCTGCAGCAACAGGAAAAGAAGATGGCTGGCATGCAGGACTC  
 TGAGGAGACAGTCCGGAGGCCCTGCTGACCAAAGAGACCATCTTGTTCCTTTGTCCTTTCTCTGACAG  
 GCACTTTGAGCCCTCTTACCTGTCTCACCTGCACAGGACACGAACAGGTGCAGCCTTGCCACCACCATG  
 CCGGAAGTTGAGAGGAAATCCAAGATCACTGCCTCCCGTAAACTCATGCTGAAGAGCCTGATGCTAGCCA  
 AGGCCAAGGAGTGTGGGAGCAGGAACACGAGGAGCGAGAGGCTGAGAAGGTGCGTTACCTCTCGGAGCG  
 CATCCCCACACTGCAGACCCGTGGTCTGTCCCTCAGTGCCTTCAGGACTTGTGCCGAGAGCTCCATGCC  
 AAGGTGGAGGTGGTGGATGAGGAGCGCTATGATATTGAAGCCAAATGCCTCCACAACACCAGAGAGATCA  
 AGGACCTGAAGCTGAAGGTGCTGGACCTCCGTGGGAAGTTCAAGCGTCTCCCTGCGCCGGTCCGTGT  
 CTCAGCCGATGCCATGCTCCGAGCCCTACTGGGCTCTAAGCACAAGGTGCCATGGATCTCGGGCCAAC  
 CTCAAGTCTGTGAAGAAAGAAGACACAGAAAAGGAGCGGCCAGTCGAGGTAGGAGACTGGAGGAAGATG  
 TGGAGGCTATGTCTGGCATGGAAGGCCGCAAGAAGATGTTGACGCTGCTAAGTCCCGACCTCCAGTA  
 GAGGTTGGCTTGCTGTATGACACTCTGTGTCTGCTTTGGTCCCTTTCCAGCCCCACTCACCTATCTTTC  
 TGCTCGTGCCTGGAACATCCCTAATATGCGCTCCCTCCCTCCAGCCTATGCGCACACCTTTGGAGCCAGG  
 ATGAAATGGCACACAAAGGGGAAGAGAGATGCCAGTGCCTGGGACCTCATCCAGCAGTGTGGGCTTATG  
 GTACCCGCTGGGCATGCTGGGGTTATCCAGTACCCCAAGGGGCCCTAGGCTGAGGAGGGAGGCAGAGAG  
 AACAGCCTCTCAGCAGCCCCGTGTGCTTCCCTCCATCTCTGTTGCTACCTGCAGTATTACAAGTTCTC  
 CATTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_021467  
**Insert Size:** 564 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u>BC023170</u> , <u>AAH23170</u>
<b>RefSeq Size:</b>	1140 bp
<b>RefSeq ORF:</b>	564 bp
<b>Locus ID:</b>	21952
<b>UniProt ID:</b>	<u>Q9WUZ5</u>
<b>Cytogenetics:</b>	1 59.28 cM
<b>Gene Summary:</b>	<p>Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>