

## Product datasheet for RN200218

### Tpm3 (NM\_173111) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Tpm3 (NM\_173111) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Tpm3  
 Synonyms: TM30nm; Tpm5  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN200218 representing NM\_173111  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGGGAGCACCACCATCGAGGCGGTAAAGCGCAAGATCCAGTTCTGCAGCAGCAGGCTGATGATG  
 CGGAGGAGAGGGCCGAGCGCCTCCAGCGGAAGTGGAGGGAGAAAGCGGGCCCGGAGCAGGCTGAAGC  
 TGAGGTGGCCTCCTTGAACCGCAGGATCCAGCTGGTTGAAGAGGAGCTGGACCGCGCCAGGAGCGCCTT  
 GCCACTGCTTTGCAGAAGCTGGAGGAAGCAGAGAAGGTTGCTGATGAGAGTGAGAGAGGTATGAAGGTGA  
 TTGAAAACCGGGCTCTAAAAGATGAAGAAAAGATGGAGCTCCAGGAAATCCAGCTGAAGGAAGCAAAGCA  
 CATTGCAGAAGAGGCAGACAGGAAGTATGAAGAGGTGGCTCGTAAGTTGGTGATTATTGAAGGAGACTTG  
 GAACGCACGGAGGAACCGCGCCGAGCTGGCAGAGTCCCCTTGGCAGAGATGGATGAGCAGATCAGACTGA  
 TGGACCAGAACCTGAAGTGTCTGAGTGTCTGAAGAAAAGTACTCTCAAAAAGAAGACAAGTATGAAGA  
 AGAAATAAAGATTCTTACTGATAAACTCAAGGAGGCGGAGACCCGGGCTGAGTTTCTGAAAAGATCGGTA  
 GCCAACTGAAAAGACCATTGATGACTTGAAGATAAGCTGAAGTGCACCAAAGAGGAGCATCTCTGTA  
 CACAAAGGATGCTGGACCAGACCCTGCTGGACCTGAACGAGAT**G**TAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_173111  
 Insert Size: 747 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>	<a href="#">NM_173111.1</a> , <a href="#">NP_775134.1</a>
<b>RefSeq Size:</b>	1770 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	117557
<b>UniProt ID:</b>	<a href="#">Q63610</a>
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	<p>rod-like protein associated with actin filament in nonmuscle cells; may mediate the stability of actin filaments; may play a role in the regulation of cell transformation, cytokinesis, motility, and morphogenesis [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (Tpm3.1, also known as variant 2) differs in both UTR's and the coding region but maintains the reading frame, compared to variant Tpm3.12. This results in an isoform (Tpm3.1cy, also known as isoform 2) that is shorter at both the N- and C-termini, compared to isoform Tpm3.12st.</p>