

## Product datasheet for RN204596

### Tpm4 (NM\_012678) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Tpm4 (NM\_012678) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Tpm4  
 Synonyms: Tpm4.2; Tpm4.2cy  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN204596 representing NM\_012678  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCGGCCTCAACTACTGGAGGCGGTGAAGCGCAAGATCCAGGCCCTGCAGCAGCAGGCGGACGACG  
 CAGAGGACCGTGCAGGGCCTGCAGCGGAGCTGGATGGCGAGCGCAACGGCGGAGAAAGCTGAAGG  
 AGATGCGGCCGCTCTCAACCGTCGCATCCAGCTGGTGGAGGAAGAGCTGGACCGGGCTCAGGAGCGACTG  
 GCCACAGCCCTGCAGAAGCTGGAGGAGGCAGAGAAGGCTGCTGACGAGAGTGAGAGAGGCATGAAGGTGA  
 TAGAGAACCAGCCATGAAAGACGAGGAGAAGATGGAGATCCAGGAGATGCAGCTCAAAGAAGCCAAGCA  
 CATCGCTGAGGAGGCTGACCGGAAGTATGAGGAGGTTGCTCGTAAGTTGGTTCATCCTGGAGGGTGAGCTG  
 GAGAGAGCAGAGGAGCGGGCGGAGGTGTCTGAACTAAAGAGTAGCGACCTGGAAGAGGAGCTCAAGAACG  
 TAACTAACAATCTGAAATCACTGGAGGCTGCTTCTGAAAAGTACTCTGAAAAGGAGGATAAATATGAAGA  
 AGAAATCAAGCTTCTGTCTGACAACTGAAAGAGGCTGAGACCCGAGCTGAGTTTGGGAAAAGGACAGTT  
 TCTAACTGGAGAAGACAATCGATGACCTGGAAGAAAACTTGCCAGGCCAAAGAAGAGAACGTGGGCT  
 TGCATCAGACACTGGACCAGACACTAACGAACCTTAACGTATATA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_012678  
 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_012678.2</a> , <a href="#">NP_036810.1</a>
<b>RefSeq Size:</b>	895 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	24852
<b>UniProt ID:</b>	<a href="#">P09495</a>
<b>Cytogenetics:</b>	16p14
<b>Gene Summary:</b>	binds actin filaments; important for calcium-dependent regulation of striated muscle contraction; may be important for stabilizing actin filaments in the cytoskeleton [RGD, Feb 2006]