

## Product datasheet for **RN206510**

### **Tmod2 (NM\_031613) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmod2 (NM_031613) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmod2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206510 representing NM_031613 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGCTCCCCTTTAGAAAGGGCTGGAGAAATACAAGAACATCGACGAGGACGAGCTTCTTGCCAAAC  
TCTCAGAAGAGGAAGTAAACAGTTGGAAAATGTTCTAGATGACCTAGATCCCGAGAGTGAACACTACC  
GGCTGGATTCCGACAGAAAGACCAGACCCAGAAAGCAGCCACTGGCCATTTGACCGTGAGCATCTGCTC  
ATGTATCTGGAGAAAGAGGCTTTGGAACAGAAAGACAGGGAGGATTTCTGACCTTACAGGAGAAAAGA  
AAGGGAGAGTCTTTATTCCCAAGGAAAAGCCTGTAGAAACTCGTAAAGAAGAGAAAGTGACTCTGGACCC  
AGAAGTGGAGGAAGCCTTGCCAGCGCCTCAGACACTGAACTCTACGACCTTGCAGCTGTCTTGGAGTC  
CACAATTTGCTCAACAATCCGAAGTTTGTAGAAACAACCAATGGCCAAGGCCAAGGGCCGGTGA  
GGAATGTCGTCAAAGGTGAAAAGGCCAAGCCGGTGTGGAGGACCCGAAACCCACAAATGTGGAAGC  
AAGCCTGCAGCAGATGAAAGCCAACGACCCAGCCTGCAGGAGGTCAACCTCAACAACATTAAGAACATT  
CCAATTCCAACCCTGAAGGAGTTTCAAAGGCTCTGGAGACCAACACCCACGTGAGGAAGTTCAGCCTGG  
CCGCAACCCGAAGCAATGACCCTGTGGCCCTGGCCTTTCAGAGATGCTGAAGGTCAACAAGACCTTGAA  
AAGTCTGAATGTAGAGTCCAATTTATCACCGGCGCTGGGATCCTGGCCCTGGTGAAGCGCTGCGGGAG  
AATGACACCTTGACAGAGATCAAGATCGACAACAGAGGAGCAGTTGGGAACAGCCGTGGAGATGGAGA  
TCGCCCAGATGCTGGAGGAGAACTCAAGGATCCTCAAGTTTGGGTACCAGTTTACCAAGCAAGGGCCACG  
GACAAGAGTGGCAGCTGCCATCACAAAAATAATGACCTAGTTCGAAGAAGAGAGTTGAAGGAGACAGG  
AGG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_031613
Insert Size:	1056 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_031613.1</a> , <a href="#">NP_113801.1</a>
<b>RefSeq Size:</b>	1190 bp
<b>RefSeq ORF:</b>	1056 bp
<b>Locus ID:</b>	58814
<b>UniProt ID:</b>	<a href="#">P70566</a>
<b>Cytogenetics:</b>	8q24
<b>Gene Summary:</b>	binds to the neuron-specific isoform of tropomyosin, blocks the elongation and depolymerization of actin filaments; important for maintenance of the cytoskeleton [RGD, Feb 2006]