

## Product datasheet for **RR216436**

### Tmod4 (NM\_001270653) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Tmod4 (NM\_001270653) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Tmod4  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR216436 representing NM\_001270653  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCATCCTATCAGAAGGAAGTGGAGAAGTACAGAGACATAGATGAAGACGAGATCCTAAGGACCTTGA  
GCCCTGAGGAGCTAGAACAGCTGGACTGTGAGCTACAAGAAATGGATCCTGAGAACATGCTGCTGCCAGC  
TGGACTGAGACAACGTGACCAGACAAGAAGAGTCCAACAGGGCCACTAGACAGAGACGCCCTATTGCAG  
TACCTGGAACAACAGGCGCTAGAAGTCAAAGAGCGTGACGACTTGGTGCCCTTCACTGGCGAGAAGAAGG  
GAAAACCCCTTTATTCAGCCTAAGAGAGAAATCCAGCACAGGAACAGATCACACTGGAGCCTGAACTGGA  
GGAAGCACTGTCCATGCCACAGATGCTGAAATGTGTGACATTGCAGCGATCCTGGGCATGTACACACTG  
ATGAGCAACAAGCAATACTATGATGCTATCTGCAGCGAGAGATCTGCAACACCGAAGGCATTAGCAGTG  
TAGTGCAGCCTGACAAGTATAAGCCAGTACCAGATGAACCCCAACCCCAACATTGAGGAGATGCT  
AAAGAGGGTGGGAGCAATGACAAGAGCTGGAGGAGGTGAACCTCAATAACATCCAGGACATCCCGATA  
CCCGTGCTAAGCGACTTGTGTGAAGCAATGAAGACTAATACCTATGTCGGGAGCTTCAGTCTGGTGGCCA  
CAAAGAGTGGTGACCCCATCGCCAATGCGGTGGCTGACATGTTGCGTGAGAACCGCAGTCTCCTGAGCCT  
GAACATCGAATCCAATTTCATCAGCAGCACAGGCTCATGGCTGTGCTGAAGGCAGTTCGAGAAAACGCT  
ACTCTCACTGAGCTCCGAGTAGATAACAGCGCCAGTGGCCTGGAGATGCTGTAGAGATGGAGATGGCCA  
CTGTGCTAGAGCAGTGTCCGTCTATTGTCCGCTTCGGGTACCACTTCACACAACAAGGACCGCGAGCTCG  
GGCAGCCAACGCCATGACCCGCAACAATGAGCTGCGGCGTCAGCAAAAAGAAGAGA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216436 representing NM\_001270653  
 Red=Cloning site Green=Tags(s)

MSSYQKELEKYRDIIDEDEILRTLSPPELEQLDCELQEMDPENMLLPAGLRQRDQTKKSPTGPLDRDALLQ  
 YLEQQALEVKERDDLVPFTGEEKKGF I QPKREIPAQEQITLEPELEEEALSHATDAEMCDIAAILGMYTL  
 MSNKQYYDAICSGEICNTEGISSVVQPKYKPVPEPPNPTNIEEMLKRVRSNDKEEVLNLIQDIPI  
 PVLSDLCEAMKTNTYVRSFSLVATKSGDPIANAVADMLRENRSLLSLNIESNFISSTGLMAVLKAVRENA  
 TLTELVDNQRPQWPGDAVEMEMATVLEQCPSIVRFGYHF TQQGPRARAANAMTRNNELRRQKKR

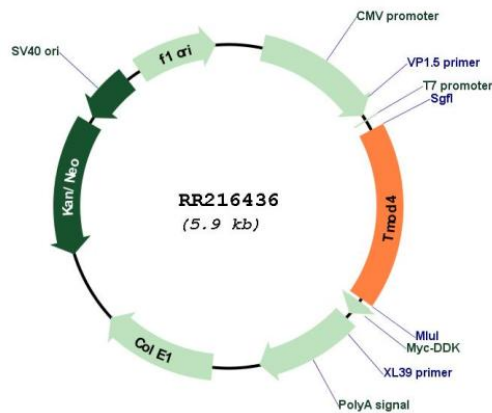
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001270653

<b>ORF Size:</b>	1035 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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_001270653.1</a> , <a href="#">NP_001257582.1</a>
<b>RefSeq Size:</b>	1305 bp
<b>RefSeq ORF:</b>	1038 bp
<b>Locus ID:</b>	295261
<b>Cytogenetics:</b>	2q34
<b>MW:</b>	39.2 kDa