

## Product datasheet for **RR200217**

### Tpm3 (NM\_057208) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tpm3 (NM\_057208) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tpm3  
**Synonyms:** TM30nm; Tpm5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR200217 representing NM\_057208  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCCGGGAGCACCACCATCGAGGCGGTAAAGCGCAAGATCCAGGTTCTGCAGCAGCAGGCTGATGATG  
CGGAGGAGAGGGCTGAGCGCCTCCAGCGGAAGTGGAGGGAGAAAGCGGGCCCGGAGCAGGCTGAAGC  
TGAGGTGGCTTCCTTGAACCGTAGGATCCAGCTGGTTGAAGAGGAGCTGGACCGCGCCAGGAGCGCCTT  
GCCACTGCTTTCAGAAAGCTGGAGGAAGCGGAGAAGGCTGCTGATGAGAGTGAGAGAGGTATGAAGGTGA  
TTGAAAACCGGGCTCTAAAAGATGAAGAAAAGATGGAGCTCCAGGAAATCCAGCTGAAGGAAGCAAAGCA  
CATTGCAGAAGAGGCAGACAGGAAGTATGAAGAGGTGGCTCGTAAGTTGGTGATCATTGAAGGAGACTTG  
GAACGCACGGAGGAACCGCGCCGAGCTGGCAGAGTCTAAGTGTCTGAGCTGGAGGAGGAGCTGAAGAATG  
TCACCAACAACCTCAAATCTCTTGGAGCTCAGGCGGAGAAGTACTCTCAAAAAGAAGACAAGTATGAAGA  
AGAAATAAAGATTCTTACTGATAAACTCAAGGAGGCGGAGACCCGGGCTGAGTTTGTCTGAAAGATCGGTA  
GCCAAGCTGAAAAGACCATTGATGACTTGAAGAGCGTCTCTACAGCCAACCTTGAGCGAAAACCGCCTGC  
TTTCTAATGAGCTGAAGCTAACGCTGCATGGTCTTTGTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200217 representing NM\_057208  
Red=Cloning site Green=Tags(s)

MAGSTTIEAVKRRKIQVLQQADDAEERAERLQREVEGERRAREQAEAEVASLNRRIQLVEEELDRAQERL  
 ATALQKLEEAKEAADESERGMKVIENRALKDEEKMEIQEIQKKEAKHIAEEADRKYEEVARKLVII EGD  
 ERTEERAELAESKCSLEEEELKNVTNNLKSLEAQAEKYSQKEDKYEEEEIKILTDKLKEAETRAEFAERSV  
 AKLEKTIDDL EERLYSQLERNRLLSNELKLT LHGLCD

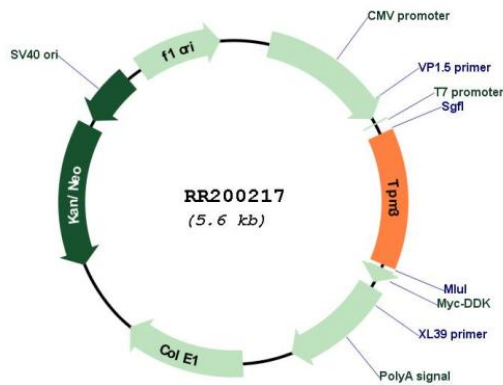
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_057208  
**ORF Size:** 741 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_057208.2</a> , <a href="#">NP_476556.2</a>
<b>RefSeq Size:</b>	1078 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	117557
<b>UniProt ID:</b>	<a href="#">Q63610</a>
<b>Cytogenetics:</b>	2q34
<b>MW:</b>	28.7 kDa
<b>Gene Summary:</b>	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]