

## Product datasheet for **RR205453**

### Timd2 (NM\_001013855) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Timd2 (NM\_001013855) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Timd2  
**Synonyms:** Tim2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR205453 representing NM\_001013855  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTTCAACTCAAGTCTTCATTTAGGCCTCCTGCTGCTTCTCCAGGTGCTGTGGCTTCTTATACGG  
TAGTGCAGGGTCACTCTGTCACACTTCCGTGTATCTATTCAACAACATACCGTGATGAAATGGTCCCAC  
ATGTTGGGGTCGAGGGGAATGCCGCTCTTCTTATTGTACAAGGTCACCTTCTGGACCAATGGTTATAAG  
GTCACATATCAGAGGAGCAATCGATACCAGCTAAAGGGGAATATTCAGAAGGAAATGTGTCCTTGACCA  
TAGAGAACACTGTTGTGAGTGACAGCGGTCCTTACTGTTGTATAGCAGAGATACCTGGAGCATTCTATTT  
TGTGACTATCTGTTGGAGGTTAAAGCAGAACTCCAACAAGTCCCCAACAAGACCCACCAATACAGGA  
AGACCAACAACACTACAAGACCCACAATACAGGAAGACCAACAACACTACAAGACCCACAATACAGGAAGAC  
CCACAACACTACAGAAAGACCCACAACACTACAGGAAGACCCACAACACTACAGAAAGACCCACAACACTACAGGAAG  
ACCCACAACACTATTTCAACAAGATCCACACATGTACCAACATCAACCAGAGTCTCTACCTCTACTCCTCCA  
ACACCAGAACAACACAGACTCACAGATCAGAAGCCACTACATATTATCCAGATCAGACAACAGCTGAGG  
TGACAGAAGCCCCATCCCATACTCCTACAGACTGGAATAACACTGCAACATCCTCAGATGACTCTTGAA  
TAGTGACTGAAGCAATCCCTCCACAGAAGCTGCAGAGAAACCCGACTAAGGGCTTCTATGTTGGCATG  
TCCTTTGCAGCCCTGCTGCTGCTGCTGCTGCTGCGAGCACCGTGGCTATCACCAGGTACATGTTAATGAGAA  
AGAATTCTGGTTCTGAGGTTTGTGCTTCCCAGTCTCTAAGATCGGAGCTTCCCAAAATAAGGTGGT  
GGAGCAGGCCAGAATTGAAGACGAGGTCTACATTATTGAAGACAGTCTTACTTTGAAGAAGAGTCC

**ACGGT**ACGGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR205453 representing NM\_001013855  
Red=Cloning site Green=Tags(s)

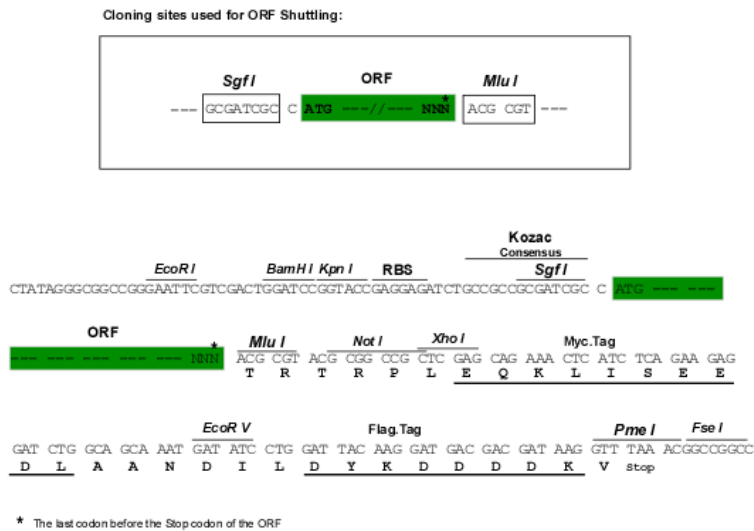
MVQLQVFI SGLLLLLPGAVASYVVQGH SVTLPC IYSTTYRDEM VPTCWGRGECRSSYCTRSLIWTNGYK  
 VTYQRSNRYQLKGNISEGNVSLTIENTVSDSGPYCCIAEIPGAFYFVDYLLEVKAE LPTSPPTRPNTG  
 RPTTTRPTNTGRPTTTRPTNTGRPTTTERPTTGRPTTTERPTTGRPTTISTRTHVPTSTRVSTSTPP  
 TPEQTQTHRSEATTYYPDQTTAEVTEAPSHPTPTDWNNTATSSDDSWNSDTEAIPPQKLQRNPTKGFVVG  
 SFAALLLLLLASTVAITRYMVMRKNSGSLRFVAFVPSKIGASQNKVVEQARIEDEYVYIIEDSPYFEEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

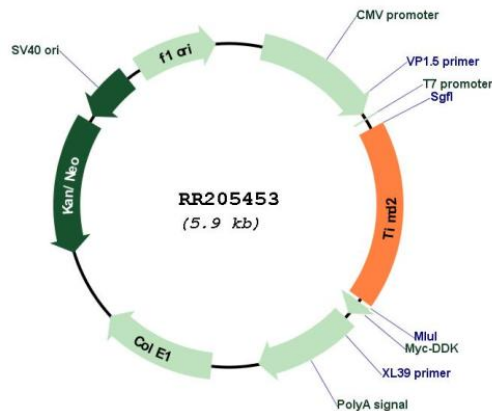
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001013855

**ORF Size:** 1047 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_001013855.1</a> , <a href="#">NP_001013877.1</a>
<b>RefSeq Size:</b>	1371 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	287222
<b>UniProt ID:</b>	<a href="#">Q5FVR0</a>
<b>Cytogenetics:</b>	10q21
<b>MW:</b>	38.5 kDa
<b>Gene Summary:</b>	Probable receptor for SEMA4A involved in the regulation of T-cell function. The interaction with SEMA4A enhances T-cell activation (By similarity).[UniProtKB/Swiss-Prot Function]