

Product datasheet for **RN205453**

Timd2 (NM_001013855) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Timd2 (NM_001013855) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Timd2
Synonyms:	Tim2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205453 representing NM_001013855 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTCAACTCAAGTCTTCATTTAGGCCTCCTGCTGCTTCTCCAGGTGCTGTGGCTTCTTATACGG
TAGTGCAGGGTCACTCTGTACACTTCCGTGTATCTATTCAACAACATACCGTGATGAAATGGTTCAC
ATGTTGGGTCGAGGGGAATGCCGCTCTTCTTATTGTACAAGTCACTTATCTGGACCAATGGTTATAAG
GTCACATATCAGAGGAGCAATCGATACCAGCTAAAGGGGAATATTTCAGAAGGAAATGTGTCTTGACCA
TAGAGAACACTGTTGTGAGTGACAGCGGTCCTTACTGTTGTATAGCAGAGATACCTGGAGCATTCTATTT
TGTGACTATCTGTTGGAGGTTAAAGCAGAACTCCAACAAGTCCCCAACAAGCCCAACAATACAGGA
AGACCAACAACACTACAAGACCCACAATAACAGGAAGACCAACAACACTACAAGACCCACAATAACAGGAAGAC
CCACAACACTACAGAAAGACCCACAACACTACAGGAAGACCCACAACACTACAGAAAGACCCACAACACTACAGGAAG
ACCCACAACACTATTTCAACAAGATCCACACATGTACCAACATCAACCAGAGTCTCTACCTCTACTCCTCCA
ACACCAGAACAACACAGACTCACAGATCAGAAGCCACTACATATTATCCAGATCAGACAACAGCTGAGG
TGACAGAAGCCCCATCCCATACTCCTACAGACTGGAATAACACTGCAACATCCTCAGATGACTCTTGAA
TAGTGACACTGAAGCAATCCCTCCACAGAAGCTGCAGAGAAACCCGACTAAGGGCTTCTATGTTGGCATG
TCCTTTGCAGCCCTGCTGCTGCTGCTGCTGCTGCGAGCACCGTGGCTATCACCAGGTACATGTTAATGAGAA
AGAATTCTGGTTCTCTGAGGTTTGTGCTTCCAGTCTCTAAGATCGGAGCTTCCCAAAAATAAGGTGGT
GGAGCAGGCCAGAATTGAAGACGAGGTCTACATTATTGAAGACAGTCTTACTTTGAAGAAGAGTCTTAG

ACGGTACGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001013855



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Insert Size:	1050 bp
OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001013855.1</u> , <u>NP_001013877.1</u>
RefSeq Size:	1371 bp
RefSeq ORF:	1050 bp
Locus ID:	287222
UniProt ID:	<u>Q5FVR0</u>
Cytogenetics:	10q21
Gene Summary:	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]