

Product datasheet for **MR204271**

Timd2 (NM_134249) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Timd2
Synonyms:	AA816106; AU019358; AU019662; C78111; G9D3; TIM-2; Tim2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR204271 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATCAGATTCAAGTCTTCATTTTCAAGGCTCATACTGCTTCTCCAGGTGCCGTGGAGTCTCATACAG
CAGTGCAGGGGCTGGCGGGTCACCCGTGCACACTTCCATGTATTTATTCGACACACCTTGGTGAATCGT
TCCTATGTGTTGGGGCTAGGGGAATGCCGCCATTCTATTGTATACGGTCACTTATCTGGACCAATGGA
TATACGGTCACACATCAGAGGAACAGTCTATACCAGCTAAAGGGGAATATTTTCAAGGAATGTGTCCT
TGACCATAGAGAACACTGTTGTGGGTGATGGTGGTCCCTATTGCTGTGTAGTGGAGATACCTGGAGCGTT
CCATTTTGTGGAATATATGTTGGAAGTTAAACCAGAAATTTCCACGAGTCCACCAACAAGGCCACAGCT
ACAGGAAGACCCACAATTTCAACAAGATCCACACATGTACCAACATCAACCAGAGTCTCTACCTCTA
CTTCTCCAACACCAGCACACAGAGACCTACAAACCAGAGGCCACTACATTTTATCCAGATCAGACTAC
AGCTGAGGTGACAGAAACCTTACCCGATACTCCTGCAGACTGGCATAAAGTGTGACATCCTCAGATGAC
CCTTGGGATGATAACACTGAAGTAATCCCTCCACAGAGCCACAGAAAAACCTGAATAAGGGCTTCTATG
TTGGCATCTCCATTGCAGCCCTGCTGATATTGATGCTTCTGAGCACCATGGTTATCACCAGGTACGTGGT
TATGAAAGGAAGTCAGAACTCTGAGCTTCGTTGCCCTCCCTATCTCTAAGATTGGAGCTTCCCCCAA
AAAGTGGTGAACGACGACAGATGTGAAGACCAGGTCTACATTATTGAAGACACTCCTTACCCTGAAGAAG
AGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR204271 protein sequence
 Red=Cloning site Green=Tags(s)

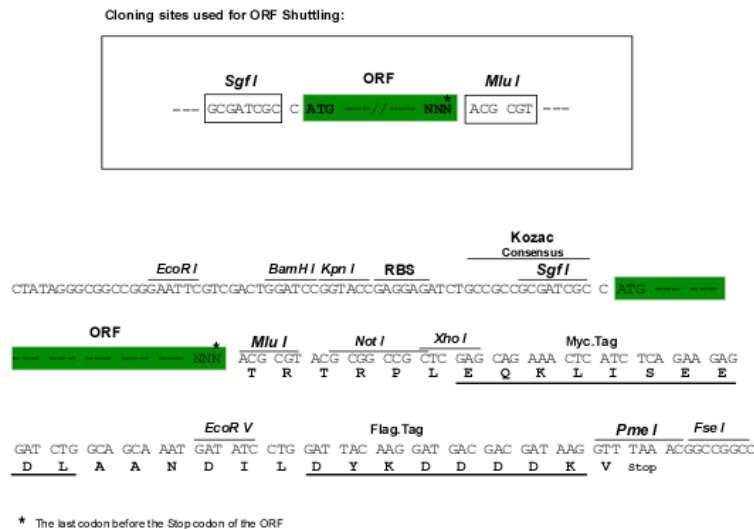
MNQIQVFISGLILLPGAVESHTAVQGLAGHPVTLPCIYSTHLGGIVPMCWGLGECRHSYCIRSLIWTNG
 YTVTHQRNSLYQLKGNISEGNVSLTIENTVVGDDGGPYCCVVEIPGAFHFVDYMLEVKPEISTSPPTPTA
 TGRPTTISTRSTHVPSTRVSTSTPTAHTETKYPEATTFYPDQTTAEVTETLPDTPADWHNTVTSSDD
 PWDDNTEVIPPQKPQKNLNGFYVGISIAALLILMLSTMVITRYVVMKRKSESLSFVAFPIISKIGASPK
 KVVERTCEDQVYIIEDTPYPEEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_134249

ORF Size:

915 bp

OTI Disclaimer:

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. [More info](#)

OTI Annotation:

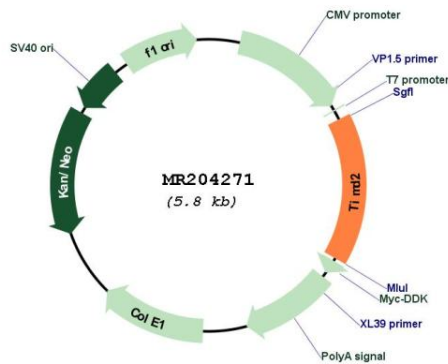
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_134249.2
RefSeq Size:	3035 bp
RefSeq ORF:	918 bp
Locus ID:	171284
UniProt ID:	Q8RI83
Cytogenetics:	11 B1.1
MW:	33.5 kDa
Gene Summary:	Probable receptor for SEMA4A involved in the regulation of T-cell function. The interaction with SEMA4A enhances T-cell activation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204271