

Product datasheet for MR222206

Timd4 (NM_178759) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Timd4 (NM_178759) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Timd4
Synonyms:	B430010N18Rik; TIM-4; Tim4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222206 representing NM_178759 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAAGGGGCTTCTCCTCCTCTGGCTGGTGACGGAGCTCTGGTGGCTTTATCTGACACCAGCTGCCT
CAGAGGATAACAATAATAGGGTTTTGGGCCAGCCGGTACTTTGCCTTGCATTACCTCTCGTGGTCCCA
GAGCCGCAACAGTATGTGCTGGGCAAAGGTTTCATGTCCAATTCCAAGTCAATGCAGAGCTTCTCCGT
ACAGATGGAACAAGAATCATCTCCAGGAAGTCAACAAAATATACACTTTTGGGGAAGTCCAGTTTGGTG
AAGTGTCTTGACCATCTCAAACACCAATCGAGGTGACAGTGGGGTGTACTGCTGCCGTATAGAGGTGCC
TGGCTGGTTCAATGATGTCAAGAAGAATGTGCGCTTGGAGCTGAGGAGAGCCACAACAACCAAAAAACCA
ACAACAACCACCCGCAACCAACCCCTTATGTGACCACCACCCAGAGCTGCTTCCAACAACAG
TCATGACCACATCTGTTCTCCAACCAACCAACCCAGACTAGCCACCACTGCCTTCAGTACAGC
AGTGACCACGTGCCCTCAACAACCTGGCTCCTTCTCAAGAACCACAAAAGGGTCCGCTTCACT
ACAGAATCAGAACTCTGCCTGCATCCAATCACTCTCAAAGAAGCATGATGACCATATCTACAGACATAG
CCGTACTCAGGCCACAGGCTCTAACCTGGGATTCTCCCATCCACTTACAGCTGACGACACAGAAAAC
AACATTAACAACAAGTGAAGTCTTTGCAGAAGACAATAATCACATCAGATCAACAGCAGACAGACCATC
TTGATCATTGCCGTGCTGTGGGATTTGTGCTAATGGTGTATTGTTTCTGGCGTTTCTCCTTCGAGGGA
AAGTCACAGGAGCCAAGTGTTCAGAGACACAAGAGGCCAGACAACACTGAAGATAGTGACAGCGTCCT
CAATGACATGTACACGGGAGGGATGATGAAGACGGGATCTTCACTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222206 representing NM_178759
Red=Cloning site Green=Tags(s)

MSKGLLLLWLVTTELWVLYLTPAASEDTIIGFLGQPVTLPCHYLSWSQSRNSMCWKGKSCPNKCNALLR
 TDGTRII SRKSTKYTL LGKVQFGEVSLTISNTNRGDSGVYCCRIEVPWFNDVKKNVRELELRATTTKKP
 TTTTRPTTTPYVTTTTPELLPTTVMTTSVLPTTTPPQLATTAFSTAVTTCPTTPGSFQSQETTKGSAFT
 TESETLPASNHSQRSMMTISTDIAVLRPTGSGNPGILPSTSQLTTQKTTLTTSSESLQKTTKSHQINSRQTI
 LIIACCVGFVLMVLLFLAFLLRGKVTGANCLQRHKRPDNTEDSDSVLNDMSHGRDDEDGIFTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9029_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178759

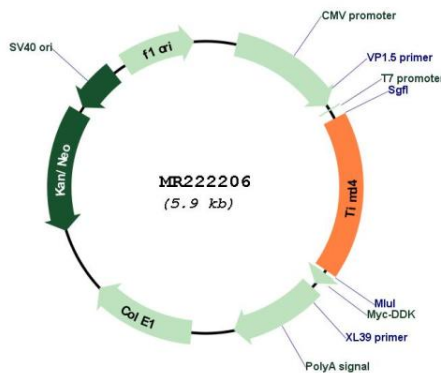
ORF Size: 1029 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<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_178759.4</u> , <u>NP_848874.3</u>
RefSeq Size:	2175 bp
RefSeq ORF:	1032 bp
Locus ID:	276891
UniProt ID:	<u>Q6U7R4</u>
Cytogenetics:	11 B1.1
MW:	38 kDa
Gene Summary:	Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Involved in regulating T-cell proliferation and lymphotoxin signaling. Ligand for HAVCR1/TIMD1. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222206