

Product datasheet for **MC201957**

Timd2 (NM_134249) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Timd2 (NM_134249) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Timd2
Synonyms:	AA816106; AU019358; AU019662; C781111; G9D3; TIM-2; Tim2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC028829 sequence for NM_134249
 CCCACGCGTCCGCTCTCCTGACTGGGAAGTCCCTGGGACCTCTGACTCTCATGACTCTGGTTCTTTTCAG
 CAAAATAGGAGTACACCGTCTTGGACCAGAAAGATTAATTCTTCAGCCTCCGATAGGCAGAGGTCAGTAC
 CATGAATCAGATTCAAGTCTTCATTTTCAGGCCTCATACTGCTTCTCCAGGTGCCGTGGAGTCTCATACA
 GCAGTGCAGGGGCTGGCGGGTACCCTGTCACACTTCCATGTATTTATTCGACACACCTTGGTGGAAATCG
 TTCCTATGTGTTGGGGCTAGGGGAATGCCGCCATTCTTATTGTATACGGTCACTTATCTGGACCAATGG
 ATATACGGTACACATCAGAGGAACAGTCCGATACCAGCTAAAGGGGAATTTTCAGAAAGAAATGTGTCC
 TTGACCATAGAGAACACTGTTGTGGGTGATGGTGGTCCCTATTGCTGTGTAGTGGAGATACCTGGAGCGT
 TCCATTTTGTGGACTATATGTTGGAAGTTAAACACAGAAATTTCCACGAGTCCACCAACAAGGCCACAGC
 TACAGGAAGACCCACAACACTATTTCAACAAGATCCACACATGTACCAACATCAACCAGAGTCTCTACCTCT
 ACTTCTCCAACACCAGCACACACAGAGACCTACAAACCAGAGGCCACTACATTTTATCCAGATCAGACTA
 CAGCTGAGGTGACAGAAACCTTACCCGATACTCCTGCAGACTGGCATAACACTGTGACATCCTCAGATGA
 CCCTTGGGATGATAACACTGAAGTAATCCCTCCACAGAAGCCACAGAAAAACCTGAATAAGGGCTTCTAT
 GTTGGCATCTCCATTGCAGCCCTGCTGATATTGATGCTTCTGAGCACCATGGTTATCACCAGGTACGTGG
 TTATGAAAAGGAAGTCAATCTCTGAGCTTCGTTGCCTTCCCTATCTCTAAGATTGGAGCTTCCCCCAA
 AAAAGTGGTCAACGGACAGATGTGAAGACCAGTCTACATTATTGAAGACACTCCTTACCTGAAGAA
 GAGTCCAGTGGCCCTCTGAGGCACCTTCTGCCTGAGATTAAGAGACTGTCAAGTATACACAGCGTCC
 AGAGCAATTTTCTGTGTTGGTCTTCCAGCTGTAGTGGAGAGGGTAACCTCTACTGTGTACACTCAACT
 CAAGTTTAAACATCATCTAATCTTGTATCAGCACCAGTGTCTCCATTCACTGCAGCGATTCTCT
 CAAATGTGAACATTTTCAGAGGGTTGATTTTTTTTTTTTGTAGTCAACACAATTAAGTATAACAGAAATA
 TCTTGGTTATTTAAACATTAAGAGAGAAATAATTTAAAGTTTAAAAAATGTGTGGTGGGAGGGA
 AGTTCTGAATTCAGAAGAATTTCAATAATCAGAGCATGGAGGTTTTAAGGAAATCAATGTCGCTTTTAGAG
 CCATCTTGCCCAAAGGGCTTCAATAATGAGAGCATGGAGGTTTTAAGGAAATCAATGTCGCTTTTAGAG
 GTGGCAAATTTCTACTTCTGAAATAAGATCATTATTATGCGGTTGGTCTTAGGATAAGGGTGGGT
 GTTCATTATTAGGAGAGTTATCATGGTACTATGGACCAGGCACACATCAGGGGAAGAAAAAATGGAT
 CAAGGGATTCAAGTTCATTGGTGTATTTCTACTCCACTTCTGTCTTGGTCTTACTGTTCTAAACTTAC
 CCACTGAGCTCTGAATTAGTGTAGGAGGAGATAGTGAAGAAATGAAAGGGGAAGGAAAGGCAAGAGAG
 AAGGGCACAGGCTCTCTGCTGAGAGAAGCCTTATGGCAGGTGTGACAGTATTTGGGACTATCTACTTTTC
 ATAATGAAGCAATTTGTCACAATCAATAAAATATTTGGTTTTGCTAAGAACTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_134249

Insert Size: 918 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:**
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: [BC028829](#), [AAH28829](#)

RefSeq Size: 1958 bp

RefSeq ORF: 918 bp

Locus ID: 171284

UniProt ID: [Q8R183](#)

Cytogenetics: 11 B1.1

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]

Transcript Variant: This variant (2) has an alternate 5' UTR, as compared to variant 1.