

Product datasheet for **MC216862**

Trmo (NM_029086) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmo (NM_029086) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trmo
Synonyms:	5830415F09Rik; AV014846; Nap1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216862 representing NM_029086
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGGCTTGGAGAAGCAGGGCTCGTGTGCTACGGCGGCCCATGTGGGTGCGTTACGCCGGCCCTGG
 AGGCAGGGAATCTTTAACTGAGCCAATAGGGTACTTGAATCATGTTTCCCAGCCAAGATTGGCACTCC
 AAGGCAGCCATCCATCTGTAGCCACTCCAGAGCCTGTTTGAAGATCAGAAAGAACATCTTTAATAACCCCT
 GAGCATTCCCTGATGGGCTAGAAAGTCTTCATGTTTGGATTTTGTGTTTTTACAAAAATGGCC
 ATTTGAACTACAAGGCAAAAGTGCAGCCGCCAGGCTGAATGGGGCAAAGACTGGAGTGTCTCCACAG
 GAGCCCTCATCGCCCTAATGCCATAGGGCTGACGCTGGCCAAGCTGGAGAAGGTGGAAGGTGGAGCTGC
 TACCTGTCTGGAGTTGACATGATAGACGGCACACCTGTGTAGACATAAAGCCCTACATTGCTGACTACG
 ACTCACACAGAACCTCAGTGTACACAATGACCACCATAAGCTGAGGGCTGAGGCCAGGTTGATGGCAC
 GGCCAACAGTTGTGACCAGCTGTGCTCTCAGGGCGTGGGAAAGTACAGCCTCGCCAGAGACCAAGGAG
 AGACCGAAATGCCTTGAAGACAGGACCTCAGGAGAAAACCTCTCAGAAGTCCAGAGACATGTCAGAAATCC
 AGCACACTTTGCCAGAAGACAGAGAGAGAGCGTTGGATCTGGCACTGGAACCAAGCCGAGGTGAGAGCAT
 GGATATGCCCGAAAAATCAGCTTGGCCACCGGAACTGAAGAGCTTTCTGGAAAGGCACAGATAGACCA
 AGGAAAGTAGAAGGTGCCTTGGTCTGCCGGGAGCAGTGCAGAAACACAGTGGGATGCTTCTACCGTG
 CCAGGACAGCTGACAGAGTGCCTACAGTGTGTCCCGAGCTGGGTGACAGAGGCTCCTGTAGCCCTTT
 ACAAGTCCGGTTACTCCTCACGAGAGATGGATCTGAGGAAGCTCAATTCAGGAGATGCTAGTCAGCCG
 TCATTTAAGTACTTCCACTCCGAGAGGAAGCCAAGCGTGCCATTGAGGCTGTGCTGTGACGAGATCCTC
 GGTCTGTGACCGCCGAAGCTCTGCGAGGACCGCCTTTTCTTCTCACTGTGGACACAGCACATGTCAC
 CTGCTGGTTTGGTATGGCTTCGCAGAGGTTGTGAGGATTAACCTGGCTTCTGAGTCTGTTTCAGACTGTA
 CTCCTCCTCTCCCTCTCCCAACGGAAGAGAAGAACAATCATCAGTGAAGAGGAGGTGCAGCAGAGAG
 CCGGACCCAGCAGGAGAGCAGCACCTAGAGCCGTTCAATGCTCCTGACGCCCCAGTCTCTAGCCTGGC
 CACAAGTGCCCTTACCCACTGGGCCATCTCACTGCCCCCTCTCCCCCAAGGCTGGTCTTTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029086

Insert Size: 1467 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: [NM_029086.2](#), [NP_083362.1](#)

RefSeq Size: 1558 bp

RefSeq ORF: 1467 bp

Locus ID: 74753

UniProt ID: [Q562D6](#)

Cytogenetics: 4 B1

Gene Summary: S-adenosyl-L-methionine-dependent methyltransferase responsible for the addition of the methyl group in the formation of N6-methyl-N6-threonylcarbamoyladenosine at position 37 (m(6)t(6)A37) of the tRNA anticodon loop of tRNA(Ser)(GCU). The methyl group of m(6)t(6)A37 may improve the efficiency of the tRNA decoding ability. May bind to tRNA.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).