

Product datasheet for **MC209535**

Tmod1 (NM_021883) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmod1 (NM_021883) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmod1
Synonyms: E-Tmod; Tmod
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209535 representing NM_021883
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCTACAGACGAGAGCTGGAGAAATATCGAGACCTGGATGAGGATGAAATCCTGGGGCCCTCACAG
AGGAGGAGCTGAGGACGCTGGAAAATGAGCTAGATGAACTAGACCCTGATAATGCACTGCTCCCTGCAGG
CCTGAGGCAGAAGGATCAGACCACCAAGGCACCCACAGGCCCTTTAAAAGAGAGGAGCTTTTGGACCAC
TTGAAAAAGCAAGCGAAGGAATTTAAGGACCGAGAAGATCTGGTTCCCTACACAGGGGAGAAACGAGGAA
AGGTCTGGGTCCCAAGCAGAAGCCAATGGATCCCGTGCTGGAGAGTGTGACACTGGAGCCAGAACTGGA
GGAGGCCCTAGCAAAATGCCTCGGATGCAGAACTGTGTGACATCGCAGCTATCCTGGGCATGCACACACTC
ATGAGCAACCAGCAGTACTACCAAGCCTTGGGCAGCAGCTCCATCGTGAACAAGGAGGGGCTCAACAGTG
TGATCAAACCCACACAATACAAGCCTGTGCCTGATGAAGAACCAATCAACAGACGTAGAGGAAACGCT
GGAGCGAATAAAGAACAATGACCCAGAAGCTAGAAGAGGTTAATCTTAACAACATCCGGAATATCCCAT
CCCACCTCAAGGCATATGCAGAAGCCCTGAAAGAGAAGCTCCTATGTGAAGAAGTTGAGCATCGTGGGA
CCCGCAGCAATGACCCTGTGGCCTTGGCCTTGGCTGAAATGCTGAAAGTGAACAAGGTGCTGAAGACCT
GAACGTGGAGTCCAACCTCATCTCTGGAGCTGGGATCCTGCGCCTGGTGAAGCTCTCCCCACAACACT
TCTCTGGTCTGAGCTGAAAATCGATAAACCAGAGCCAACCTTTGGGCAACAAGTGGAAATGGAGATCGTGA
ACATGTTGGAGAAAAACAACGCTCCTCAAATTTGGCTACCACTTTACCAGCAGGGGGCCCGGCTGCG
GGCATCCAACGCCATGATGAGCAACAACGACCTTGTGAGGAAGAGGAGGCTCGCAGACCTGACGGGGCT
ATTATCCCAAGTGCCGACGGTGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021883



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Insert Size:	1080 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_021883.2</u> , <u>NP_068683.1</u>
RefSeq Size:	2887 bp
RefSeq ORF:	1080 bp
Locus ID:	21916
UniProt ID:	<u>P49813</u>
Cytogenetics:	4 24.49 cM
Gene Summary:	Blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton (By similarity).[UniProtKB/Swiss-Prot Function]