

Product datasheet for **MR222326**

Tmod1 (NM_021883) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Tmod1
Synonyms:	E-Tmod; Tmod
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR222326 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTACAGACGAGAGCTGGAGAAATATCGAGACCTGGATGAGGATGAAATCCTGGGGGCCCTCACAG
AGGAGGAGCTGAGGACGCTGGAAATGAGCTAGATGAAGTACCTGATGATGCACTGCTCCCTGCAGG
CCTGAGGCAGAAGGATCAGACCACCAAGGCACCCACAGGCCCTTTAAAGAGAGGAGCTTTTGGACCAC
TTGGAAGCAAGCGAAGGAATTTAAGGACCGAGAAGATCTGGTCCCTACACAGGGGAGAAACGAGGAA
AGGTCTGGGTCCCCAAGCAGAAGCCAATGGATCCCGTGTGGAGAGTGTGACACTGGAGCCTGAACTGGA
GGAGGCCCTAGCAAATGCCTCGGATGCAGAACTGTGTGACATCGCAGCTATCCTGGGCATGCACACACTC
ATGAGCAACCAGCAGTACTACCAAGCCTTGGGCAGCAGCTCCATCGTGAACAAGGAGGGGCTCAACAGTG
TGATCAAACCCACACAATACAAGCCTGTACCTGATGAAGAACCAATTCACAGACGTAGAGGAAACGCT
GGAGCGAATAAAGAACATGACCCAGAAGTAAAGAGGTTAATCTTAACAACATCCGGAATATCCCAT
CCCACCTCAAGGCATATGCAGAAGCCCTGAAAGAGAACTCCTATGTGAAGAAGTTCAGCATCGTGGGGA
CCCGCAGCAATGACCTGTGGCGTTTGCCCTTGCTGAAATGCTGAAAGTGAACAAGGTGCTGAAGACCT
GAACGTGGAGTCCAACCTCATCTCTGGAGCTGGGATCCTGCGCCTGGTGAAGTCTCCCCACAACACT
TCTCTGGTCGAGCTGAAAATCGATAACCAGAGCCAACCTTTGGGCAACAAAGTGAAATGGAGATCGTGA
ACATGTTGGAGAAAAACACAACACTCCTCAAATTTGGCTACCACTTTACCCAGCAGGGGCCCGGCTGCG
GGCATCCAACGCCATGATGAGCAACAACGACCTTGTGAGGAAGAGGAGGCTCGCAGACCTGACGGGGCT
ATTATCCCAAGTCCCGCAGCGGTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



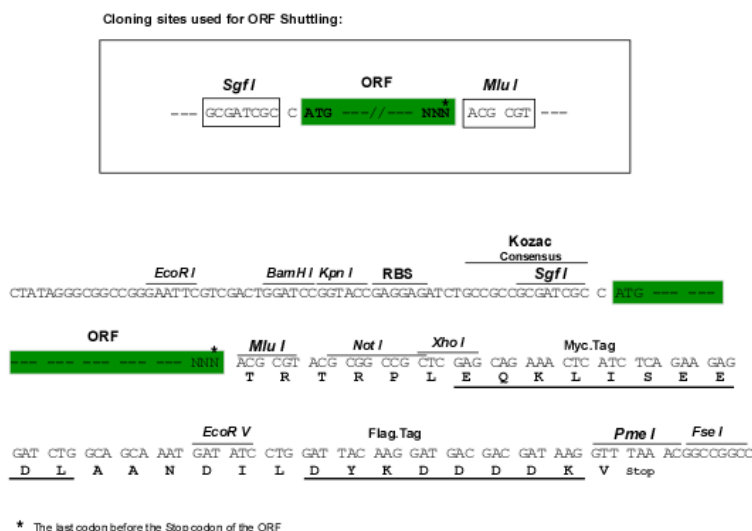
Protein Sequence: >MR222326 protein sequence
Red=Cloning site Green=Tags(s)

MSYRRELEKYRDLDEDEILGALTEELRTLENELDELPDNPALLPAGLRQKDQTTKAPTGPFKREELLDH
LEKQAKEFKDREDLVPTTGEKRGKVWVPKQKMPDVLVSVTLEPELEALANASDAELCDIAAILGMHTL
MSNQQYYQALGSSSINVKEGLNSVIKPTQYKVPDDEPNSTOVEETLERIKNNDPLEEVLNINIRNIP
PTLKAYAEALKENSYYKFSIVGTRSNDPVAFALAEMLKVNKVLKTLNVESNFIGAGILRLVEALPHNT
SLVELKIDNQSQPLGNKVEIMVMLEKNTTLTKFGYHFTQQGPRLRASNAMMSNNDLVRKRRLADLTGP
TIPKCRSGV

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_021883

ORF Size: 1077 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_021883.1](#), [NM_021883.2](#), [NP_068683.1](#)

RefSeq Size: 2887 bp

RefSeq ORF: 1080 bp

Locus ID: 21916

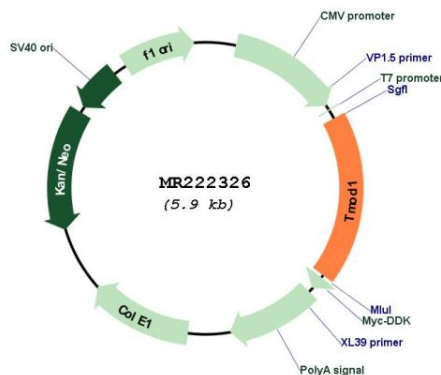
UniProt ID: [P49813](#)

Cytogenetics: 4 24.49 cM

MW: 40.5 kDa

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]

Product images:



Circular map for MR222326