

Product datasheet for **MG205184**

Tmod4 (NM_016712) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tmod4 (NM_016712) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Tmod4 |
| Synonyms: | MTMOD; Sk-Tmod |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG205184 representing NM_016712 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATCCTATCAGAAGGAAGTGGAGAAATACAGAGACATCGACGAAGATGAGATCCTAAGGACCCTGA
GCCCTGAAGAGCTAGAACAGCTGGACTGTGAGCTACAAGAAATGGATCCTGAGAACATGCTCTTGCCAGC
TGGCCTGAGACAACGTGACCAGACAAAGAAGAGTCCAACAGGGCCACTGGACAGAGATGCCCTATTGCAG
TACCTGGAGCAACAGGCGCTAGAAGTCAAAGAGCGTGATGACTTGGTGCCTACACTGGCGAGAAGAAGG
GAAAACCCTTTATTCAGCCTAAGAGAGAAATCCCAGCACAGGAACAGATTACGCTGGAGCCTGAGCTGGA
GGAAGCGCTGTCCATGCTACAGATGCTGAAATGTGTGACATTGCAGCCATCCTGGGCATGTATACACTG
ATGAGCAACAAGCAATATTATGATGCCATCTGCAGTGGAGAGATCTGCAACACAGAAGGCATTAGCAGTG
TGGTACAGCCTGACAAGTATAAGCCAGTACCAGATGAACCTCCAATCCCACAAACATTGAGGAGATGCT
AAAGAGGGTACGGAGTAATGACAAAGAGCTGGAGGAGGTGAACCTCAATAATATCCAGGACATCCCAATA
CCTGTGCTAAGTACTTGTGTGAAGCAATGAAAACCAATACCTATGTCCGGAGCTTCAGTCTGGTGGCCA
CAAAGAGTGGTGACCCAATCGCCAATGCGGTGGCTGACATGTTGCGTGAGAACCAGTCCAGAGCCT
GAACATTGAGTCTAACTTCATCAGCAGCACAGGGCTCATGGCTGTGCTAAAGGCAGTTCGGGAAAATGCT
ACTCTACTGAGCTCCGTGTAGATAACCAGCCAGTGGCCTGGTATGCGGTAGAGATGGAGATGGCCA
CTGTGCTAGAGCAGTGTCCGTCTATTGTCCGCTTCGGGTACCACTTTACACAACAAGACCACGAGCTCG
GGCAGCCACGCCATGACCCGGAACAATGAGCTGCGTCGTCAGCAAAAAGAAGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205184 representing NM_016712
 Red=Cloning site Green=Tags(s)

MSSYQKELEKYRDIIDEDEILRTLSPPEEQLDCELDQEMDPENMLLPAGLRQRDQTKKSPTGPLDRDALLQ
 YLEQQALEVKERDDLVPYTGEEKKGFIPKREIPAQEQITLEPELEEALSHATDAEMCDIAAILGMYTL
 MSNKQYYDAICSGEICNTEGISSVVQPKYKVPDEPPNPTNIEEMLKRVRNSNDKEEVLNNIQDIPI
 PVLSDLCEAMKTNTYVRSFSLVATKSGDPIANAVADMLRENRLQSLNIESNFISSTGLMAVLKAVRENA
 TLTELRVDNQRQWPGDAVEMEMATVLEQCPSIVRFGYHFTQQGPRARAAHAMTRNNELRRQKKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016712

ORF Size: 1035 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.

RefSeq: [NM_016712.4](#)

RefSeq Size: 1241 bp

RefSeq ORF: 1038 bp

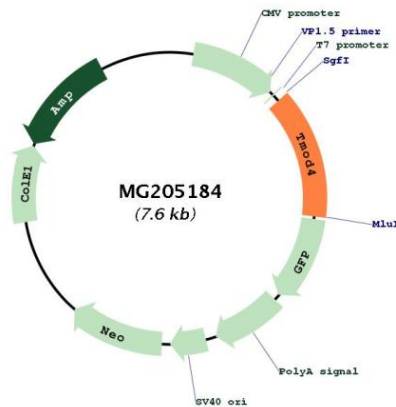
Locus ID: 50874

UniProt ID: [Q9JLH8](#)

Cytogenetics: 3 40.74 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]

Product images:



Circular map for MG205184