

Product datasheet for **MG202547**

Tmed3 (NM_025360) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmed3 (NM_025360) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmed3
Synonyms:	1200002G13Rik; AW546672; P24b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202547 representing NM_025360 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCACGAGGCTCCGCACGCTTCATCCTTCCAGATGCTGCTACAGCTGCTGCTTCTGCTCCTGCTCC
GGGCCGAGCCACTGCGGAGCGCTGAGCTCACCTTCGAGCTGCCGGACAACGCCAAGCAGTGCTTCCACGA
AGAGGTGGAGCAGGGCGTGAAGTTCTCTCTGGATTACCAGTTATCACTGGAGGCCACTACGATGTGGAC
TGCTATGTGGAAGACCCAGGGCAACGTCATCTACAGGGAGACCAAGAAGCAGTATGACAGCTTACGT
ACAAGACAGAGGCCAAGGGCGTCTACCGGTTTTGCTTCAGTAATGAGTTCTCCACCTTCTCTATAAGAC
CGTCTACTTTGACTTCCAAGTGGGTGACGAGCCCCCATTCTCCAGACATGGGGAACAGGGTACGGCT
CTCACTCAGATGGAATCTGCCTGTGTAATATTACGAGGCTCTGAAGACTGTGATCGACTCCCAGACAC
ACTATCGACTGCGGGAGGCTCAGGACCGAGCCGAGCTGAAGACCTTAATAGTCGAGTGTCTACTGGTC
TGTAGGCGAGACTATTGCCCTGTTGTGGTCAGCTTCAGCCAGGTGCTACTGCTGAAAAGCTTCTTACA
GAAAAGCGACCTGTTAACAGAGCGGTCCACTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202547 representing NM_025360
 Red=Cloning site Green=Tags(s)

MVHEAPHASSFQMLLQLLLLLLRAEPLRSAELTFELPDNAKQCFHEEVEQGVKFSLDYQVITGGHYDVD
 CYVEDPRGNVIYRETKKQYDSFTYKTEAKGVYRFCSNEFSTFSHKTVYFDFQVGDEPPILPDMGNRVTA
 LTQMESACVTIHEALKTVIDSQTHYRLREAQDRARAEDLNSRVSYWSVGETIALFVVSFSQVLLLKSFFT
 EKRPVNRVAVHS

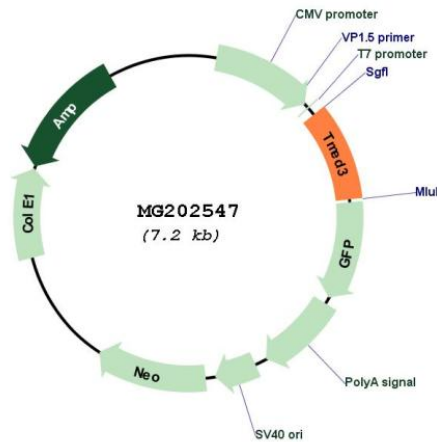
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_025360

ORF Size: 663 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:	<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:	NM_025360.2
RefSeq Size:	1270 bp
RefSeq ORF:	666 bp
Locus ID:	66111
UniProt ID:	Q78IS1
Cytogenetics:	9 E3.1
Gene Summary:	Potential role in vesicular protein trafficking, mainly in the early secretory pathway. Contributes to the coupled localization of TMED2 and TMED10 in the cis-Golgi network (By similarity).[UniProtKB/Swiss-Prot Function]