

Product datasheet for **RR200817**

Tmed3 (NM_001004249) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmed3 (NM_001004249) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmed3
Synonyms: MGC94283
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200817 representing NM_001004249
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACGAGGTTCCGCGGCTTCATCCTCCAGATGCTGATGCTGCTGCTCTTGCTCCTGCTCC
GGGCCGAGCGACTGCGGGGCGCTGAGCTCACCTTCGAGCTGCCGACAACGCCAAGCAGTGCTTCCACGA
AGAGGTGGAGCAGGGCGTGAAGTTCTCTCTGGATTACCAGTTATCACCGGAGGCCACTACGATGTGGAC
TGCTATGTGGAAGACCCATGGCAATATCATCTACAGGGAGACAAGAAGCAGTATGACAGCTTCACAT
ACAAGACGGAGGTCAAGGGCGTTTACCGTTCTGCTTCAGTAACGAGTTCTCCACTTTCTCTCACAGAC
TGTCTACTTTGACTTCCAAGTGGGTGACGAGCCCCCATTCTCCAGACATGGGGAATAGGGTCACAGCT
CTCACTCAGATGGAGTCTGCCTGCGTAACGATTACGAGGCTCTGAAGACTGTGATCGACTCCCAGACAC
ATTATCGACTGCGGGAGGCTCAGGACCGAGCCCGAGCTGAAGACCTTAATAGTCGAGTGTCTTACTGGTC
TGTAGGAGAGACTATTGCCCTGTTTGTGGTCAGCTTCAGCCAGGTGCTACTGCTGAAAAGCTTCTTTACA
GAAAAACGACCCATTAACAGAGCTGTCCACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200817 representing NM_001004249
Red=Cloning site Green=Tags(s)

MGNEVPRASSFQMLMLLLLLLLRAERLRGAELTFELPDNAKQCFHEEVEQGVKFSLDYQVITGGHYDVD
 CYVEDPMGNIYRETKKQYDSFTYKTEVKGVYRFCFSNEFSTFSHKTVYDFQVGDPEPILPDMGNRVTA
 LTQMESACVTIHEALKTVIDSQTHYRLREAQDRARAEDLNSRVSYWSVGETIALFVVSFSQVLLKSFET
 EKRPINRAVHS

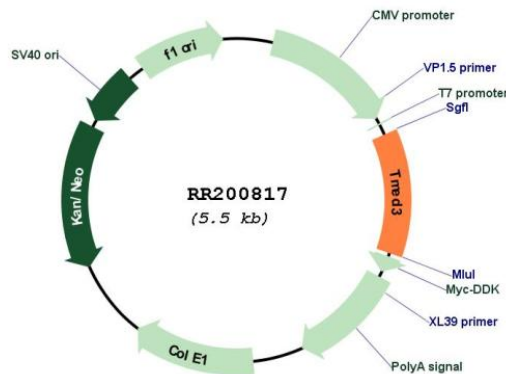
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004249

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_001004249.1 , NP_001004249.1
RefSeq Size:	1347 bp
RefSeq ORF:	666 bp
Locus ID:	300888
UniProt ID:	Q6AY25
Cytogenetics:	8q31
MW:	25.5 kDa
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]