

Product datasheet for **RR203324**

Tmed1 (NM_001013432) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmed1 (NM_001013432) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmed1
Synonyms: Il1r1l1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203324 representing NM_001013432
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGGCGGCCGCGCGCCGTAGCACTGGCCCTGTGGCTACTCCTGCCAGCAGTAGGAGTGGGAGAGG
CGGGGCCCGCCCATCCAGGACGGCGAGTTCAGTTTTCTGCTTCCCGCCGGGAGGAAGCAGTGTCTTA
TCAGTCCGCACCGCCAATGCTAGTCTTGAGACCGAGTACCAGGTGATCGGAGGTGCTGGCTGGACGTG
GACTTCACCTTGGAGAGCCCTCAGGGTGTGCTGTTGGTCAGCGAGTCTCGAAAAGCTGATGGGGTGACA
CGGTGGAGCCTACTGAGGCCGAGACTACAGGCTGTGCTTTGATAACTCCTTCAGACCATCTCAGAGAA
GCTTGTGTTCTTTGAGCTCATCTTTGACAGCTTCCAAGATGAGGAGGAGGTAGAAGTTGGGCTGAGGCT
GTAGAGCCAGAGGAAATGCTTGTGTGAAAATGGAAGACATCAAGGAATCCATAGAGACCATGAGGACCC
GGCTGGAACGGAGCATCCAGATGCTCACTCTGCTCCGAGCCTTTGAGGCTCGTGATCGTAATCTTCAAGA
AGATAACCTCGAGCGGGTCAACTTCTGGTCAGCTGCCAATGTGGCTGTGCTGCTGCTGGTGGCCGTCCTG
CAGGTCTGCACACTGAAGCGCTTCTCCATGACAAGTGCCCTGTGCCACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203324 representing NM_001013432
 Red=Cloning site Green=Tags(s)

MMAAGAAVALALWLLPAVGVGEAGPPPIQDGEFTLLPAGRKQCFYQSAPANASLETEYQVIGGAGLDV
 DFTLESPQGVLLVSESRKADGVHTVEPTEAGDYRLCFDNSFSTISEKLVFFELIFDSFQDEEEVEGWAEA
 VEPEEMLDVKMEDIKESIETMRTRLERSIQMLTLLRAFEARDRNLQEDNLERVNFWSAANVAVLLLVAVL
 QVCTLKRFFHDKCPVPT

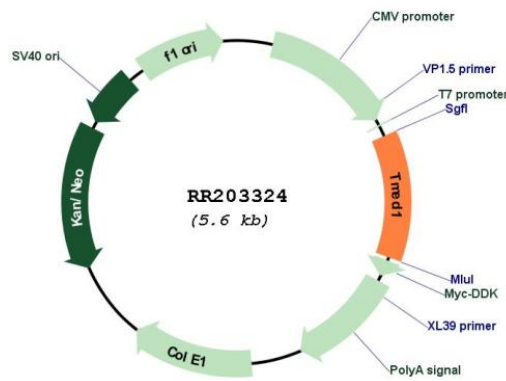
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013432
ORF Size: 681 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_001013432.1 , NP_001013450.1
RefSeq Size:	1360 bp
RefSeq ORF:	684 bp
Locus ID:	315461
UniProt ID:	Q5BK85
Cytogenetics:	8q13
MW:	25.2 kDa
Gene Summary:	Potential role in vesicular protein trafficking, mainly in the early secretory pathway. May act as a cargo receptor at the luminal side for incorporation of secretory cargo molecules into transport vesicles and may be involved in vesicle coat formation at the cytoplasmic side. [UniProtKB/Swiss-Prot Function]