

Product datasheet for **MC200132**

Tmed9 (BC004691) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmed9 (BC004691) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmed9
Synonyms: 2400003B06Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004691
 CGGACGCGTGGGCGGACGCGTGGGTGGCTGCGGTGCGAGGCGTGCGGGTGTGCGGAAGCTCACCGGGTCT
 CTTGCTGGGAGAGGGATGCGGGCCTTCTGCTACTGCTGTGGCTTGAGCCCGGAAGCGCGCTGTAT
 TTCCACATCGGAGAAACAGAAAAGAAGTCTTCATTGAGGAGATTCCGGACGAGACCATGGTCATCGGAA
 ATTACCGACGCAGCTGTATGACAAACAGCGGGAGGAGTACCAGCCAGCCACCCCTGGGCTTGGCATGTT
 CGTAGAGGTAAGACCCCGAGGACAAGGTCATCCTGGCCGGCAGTATGGCTCTGAGGGCAGGTTACCC
 TTCACCTCCCACACCCCTGGTGAGCACCAGATCTGTCTTCACTCAAATCCACCAAGTTCTCCCTTTTG
 CTGGAGGGATGCTGAGGGTTCACCTTGACATCAAAGTGGGCGAACATGCAAACGACTATGCAGAAATTGC
 TGCCAAGGACAAGCTGAGCGAGCTGCAGCTGAGGGTGCAGCAGCTGGTGGAGCAAGTGGAGCAGATCCAA
 AAGGAGCAGAAGTACCAGCGGTGGGAGAGAGCGCTTACAGCAAACCAGCGAAAGCACTAACCAGCGAG
 TGCTATGGTGGTCCGTCCTGCAGACTCTCATCCTCCTGGCCATCGGCGTCTGCCAGATGCGGCACCTCAA
 GAGCTTTTTTGAAGCCAAGAAGTTGGTGTAGCAGCTGTCCAAGCCTCACAGGCGATCTTTCTTCCAGGC
 TGTGGGAAGTAGGAGGAGGACTGGTTTTAGCCGAGATGTTCTGGAGGAGAGAGGGACTGTAAGCGTGT
 CCCCCTTCTCAGGCTCAGGTGGAGGACAGCAGCCTGGCTGGCTAATGCTGAGCCAGCAGTGGGACAAGC
 CCTCCCACCTCCACTCCTGGACCTTTTGCAGTAATCACTCAGGGGCTGGCGATGCCCTTGGTGTCTCAGA
 AGCTCAGTGTTACTGATCAGGGATATGAGGTGCTGTCTGGGGTAGGTTTTGGGAGGGAAGTGGGTGGGG
 CAGCAAGCTGATTTTCTTCTGTCTTCTTTGTTAATGTGGGATTTTGGCAGGTGAGGGTGTATCAGTG
 ACTCCTTGCTATCCAGAACTTTGCTTTTCTTGCCTTTGGCTTAGAACCAGCCTGCTTATATAGGGTGT
 GTTTGCTGCGTGCAGTTTAAGGGTGTGGAGGGTTGCAGTGCACAAAAGGGGCCAGAGGTTGATTTTA
 GTTTGTTACAATTGCTTTCTGGGCTTGAACAAGTGGTATCAAACCAAGCAGAGACTTTGGTGCCTGGT
 TGGAAACAGAGCCTACAGAGTCTTAGTTACTGAGTTTATTTTCAATGAATGTGGGTTTGTACATTGGTT
 TCCAATTAAGAAAGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC004691
Insert Size: 645 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC004691 , AAH04691
RefSeq Size:	1429 bp
RefSeq ORF:	645 bp
Locus ID:	67511
Cytogenetics:	13 B1
Gene Summary:	Appears to be involved in vesicular protein trafficking, mainly in the early secretory pathway. In COPI vesicle-mediated retrograde transport involved in the coatamer recruitment to membranes of the early secretory pathway. Increases coatamer-dependent activity of ARFGAP2. Thought to play a crucial role in the specific retention of p24 complexes in cis-Golgi membranes; specifically contributes to the coupled localization of TMED2 and TMED10 in the cis-Golgi network. May be involved in organization of intracellular membranes, such as of the ER-Golgi intermediate compartment and the Golgi apparatus. Involved in ER localization of PTPN2 (By similarity).[UniProtKB/Swiss-Prot Function]