

## Product datasheet for **SC115564**

### TMED3 (NM\_007364) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMED3 (NM_007364) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMED3
Synonyms:	C15orf22; P24B; p24g4; p24gamma4; p26
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115564 sequence for NM_007364 edited (data generated by NextGen Sequencing)

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ATGGGCAGCACTGTCCCAGCTCCGCTCCGTGCTGCTTCTGCTGCTGCTCCTGCCCGG
GCCGAGCAGCCCTGCGGGCCGAGCTCACCTTCGAGCTGCCGACAACGCCAAGCAGTGC
TTCCACGAGGAGGTGGAGCAGGGCGTGAAGTTCTCCCTGGATTACCAGGTCATCACTGGA
GGCCACTACGATGTTGACTGCTATGTAGAGGACCCCAAGGGAACACCATCTACAGAGAA
ACGAAGAAGCAGTACGACAGCTTACGTACCGGGCTGAAGTCAAGGGCGTTTATCAGTTT
TGCTTCAGTAATGAGTTTTCCACCTTCTCTACAAGACCGTCTACTTTGACTTTCAAGTG
GGCGATGAGCCTCCCATTCTCCCAGACATGGGGAACAGGGTCACAGCTCTACCCAGATG
GAGTCCGCTGCGTGACCATCCATGAGGCTCTGAAAACGGTGATTGACTCCAGACGCAT
TACCGGCTGCGGGAGGCCAGGACCGGGCCCGAGCGGAAGACCTTAATAGCCGAGTCTCT
TACTGGTCTGTTGCGGAGACGATTGCCCTGTTCTGTTGCTCAGCTTCAAGTCAGGTGCTACTG
TTGAAAAGCTTCTTACAGAAAAACGACCCATCAGCAGGGCAGTCCACTCCTAG

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Clone variation with respect to NM\_007364.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_007364 unedited            NGTTCACATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGGGGCGCAG            CGCCCGAGCCGCGGCCCTCGAGACGGGACCGAGAGCATCATGGGCAGCACTGTCCCGCGC            TCCGCCTCCGTGCTGCTTCTGCTGCTGCTCCTGCGCCGGGCCGAGCAGCCCTGCGGGGCC            GAGCTCACCTTCGAGCTGCCGGACAACGCCAAGCAGTGCCTCCACGAGGAGGTGGAGCAG            GCGGTGAAGTTCTCCCTGGATTACCAGGTCATCACTGGAGGCCACTACGATGTTGACTGC            TATGTAGAGGACCCCGAGGGGAACCCATCTACAGAGAAACGAAGAAGCAGTACGACAGC            TTCACGTACCGGGCTGAAGTCAAGGGCGTTTATCAGTTTTGCTTCAGTAATGAGTTTTCC            ACCTTCTCTCACAGACCGTCTACTTTGACTTTCAAGTGGGCGATGAGCCTCCCATTCTC            CCAGACATGGGGAACAGGGTCACAGCTCTACCCAGATGGAGTCCGCCTGCGTGACCATC            CATGAGGCTCTGAAAACGGTGATTGACTCCAGACGCATTACCGGCTGCGGGAGGCCAG            GACCGGGCCCGAGCGGAAGACCTTAATAGCCGAGTCTTACTGGTCTGTTGGCGAGACG            ATTGCCCTGTTTCGTGGTCAGCTTCAAGTCAGGTGCTACTGGTTGAAAGCTNCTTCACAGAA            AACGACCCATCAGCAGGGCAGTCCACTCCTAGCCCGGCATCCTGCTCTAGGGCCCTCA            TGCCCCAGCTGNAGCAGCTCTCCTAAGTCACAGCCTGCTGGGCTGGGTGCGGTAACCCAA            GTGGNAGCAAACCATGCTGCTGTGGTACCCTTTGCCTTTATGCCCATGCTGATCT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_007364 unedited            ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGACGCTCACACTTAGTT            TTTATTAGCCACAGTTTCCACAGTTTTTCTACCTCCTAGGAAATACACAGCTCACCAAGG            GCACCCAGTCACCATTCTGTCCTGCTTGCATGGCTGACACTGTTGCTCACCGAGGGTGAG            CAGATCTGCAAAGTCACCCAGGGCCTGGTTTCTCAGGTACAGAGAACCCCAAAGAAAGA            AGAGCCAGAACTTAGAGCCCTTTCTTCTCCATATGGGATAGGACACCCAAGACAATGA            CCCATGCATCATGAAACAGAGGCAGGGCCCTAAGCTGCCAAGAGGCCTGGGCACTTGGA            GTTCTTGCCAACAGCCAGGCCACTGAACCATTGCCTGTCCACCCTCCACAGTGGCTAAT            CCCTGGCCTAGTTGTAATGTCTTTTCAGCGCTGCACACTTAATGCAGTCGGATGCCTTC            TGATTACTGGTCTCTGAGACCTTCAGCTGCTGAGGTGCAAGAATCAAGCATGGGCATGAA            AGGCAAAGGGCTACCACAGCAGCATCGTTCTGCCTCCACCCTGGGCTACGCGACCCAGCC            CAGCAGGCTGTGACCTAGGAGAGCTGCTCCAGCCTGGGGCATGAGGGGCCCTANAGCAGG            ATGCCCCGGCTANGAGTGGACTGCCCTGCTGATGGTCCGTTTTCTGTGAAAAAGCTTTT            AACAGTAGCACCTGACTGAAACTGACCACGAAAGGTCAATCGGTTTGCCACGGAACAGT            AAGAGACTCGGTTTTAAGGTCTTTCCGCTCGGCCCGTCCTGGGCCCTCCCAACCGTAA            TGGCCTTGAAGTCATCACCGTTTTCAAACCTCATTGGTGGCCCCAGGGCGGCTCCATTG            GGGGAAACCGGACCTGTCCCCCTTGCGGGA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_007364
<b>Insert Size:</b>	1430 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_007364.2](#), [NP\\_031390.1](#)

**RefSeq Size:** 1435 bp

**RefSeq ORF:** 654 bp

**Locus ID:** 23423

**UniProt ID:** [Q9Y3Q3](#)

**Cytogenetics:** 15q25.1

**Domains:** EMP24\_GP25L

**Protein Families:** Transmembrane

**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. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longest isoform (a).