

Product datasheet for **SC114511**

TMED5 (NM_016040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMED5 (NM_016040) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMED5
Synonyms:	CGI-100; p24g2; p28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114511 sequence for NM_016040 edited (data generated by NextGen Sequencing)

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ATGGGCGACAAGATCTGGCTGCCCTTCCCGTGCTCCTTCTGCCGCTCTGCCTCCGGTG
CTGCTGCCTGGGCGGCCGGCTTCACACCTTCCCTCGATAGCGACTTCACCTTTACCCTT
CCCGCCGCCAGAAGGAGTGCTTCTACCAGCCATGCCCTGAAGGCCTCGCTGGAGATC
GAGTACCAAGTTTTAGATGGAGCAGGATTAGATATTGATTTCCATCTTGCCTCTCCAGAA
GGCAAAACCTTAGTTTTTGAACAAAGAAAATCAGATGGAGTTCACACTGTAGAGACTGAA
GTTGGTGATTACATGTTCTGCTTTGACAATACATTCAGCACCATTCTGAGAAGGTGATT
TTCTTTGAATTAATCCTGGATAATATGGGAGAACAGGCACAAGAACAAGAAGATTGGAAG
AAATATATTACTGGCACAGATATATTGGATATGAACTGGAAGACATCCTGGAATCCATC
AACAGCATCAAGTCCAGACTAAGCAAAAGTGGGCACATACAAATTCTGCTTAGAGCATTT
GAAGCTCGTGATCGAAACATACAAGAAAGCAACTTTGATAGAGTCAATTTCTGGTCTATG
GTTAATTTAGTGGTCATGGTGGTGTGAGCCATTCAAGTTTATATGCTGAAGAGTCTG
TTTGAAGATAAGAGGAAAAGTAGAACTTAA
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Clone variation with respect to NM_016040.4
524 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016040 unedited
 CGTAATTCTGTATACGACTCACTATAGGGNCCGGCCGCGCAATTCGGCACGAGGCTGACG
 CCTCTTTCAGCCCGGGATCGCCCCAGCAGGGATGGGCGACAAGATCTGGCTGCCCTTCCC
 CGTGCTCCTTCTGGCCGCTCTGCCTCCGGTGCTGCTGCCCTGGGGCGGCCGGCTTACACC
 TTCCCTCGATAGCGACTTACCTTTACCCTTCCCGCCGGCCAGAAGGAGTGCTTACCA
 GCCCATGCCCTGAAGGCCTCGCTGGAGATCGAGTACCAAGTTTTAGATGGAGCAGGATT
 AGATATTGATTTCCATCTTGCCCTCCAGAAAGGCAAAACCTTAGTTTTTGAACAAAGAAA
 ATCAGATGGAGTTCACACTGTAGAGACTGAAGTTGGTGATTACATGTTCTGCTTTGACAA
 TACATTACGACCACTTTCTGAGAAGGTGATTTTCTTTGAATTAATCCTGGATAATATGGG
 AGAACAGGCACAAGAACAAGAAGATTGGAAGAAATATATTACTGGCACAGATATATTGGA
 TATGAACTGGAAGACATCCTGGAATCCATCAACAGCATCAAGTCCAGACTAAGCAAAAG
 TGGGCACATACAAATTCTGCTTAGAGCATTGAAAGCTCGTGATCGAAACATACCAGAAA
 GCACCTTGATAGAGTCAATTTCTGGTCTATGGTAATTTACTGGTCATGCTGGCTGTGTC
 AGCCATTCAAGTTTATATGCTGAAGAGTCTGTTTGAAGATAGAGGAAAGTAGAACTAAAA
 CTCCAAGTACGTAACATTGAAAATGACGCATANAATGCCATAACTGTTACAGCC
 AAGACATTATTGGCCTTCTCAAAAATTTGAGAATAAAAGTAGGAAACACGTTAATTTTA
 AGGAAAATTAGCTTTCCTTCTGGGCAGTAATCCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016040 unedited
 CCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAATTTCTTTGATAATTT
 TTATTATACATATCAGTACTACAATACGTTGCTTATTTAAGATGGCTGTTTATAAGT
 ATAAAGCAGTTTGAACAACACTGATTGTGCATTATTGTACTTCAGATGAAAAATCCTTAC
 ATGCGGAATCAATGTCTTTTAAATTTTCAAGATAAAGAATTTTCATTTGAGGAGACATACA
 ATTGTAAGTGCTCATTTTTGTCAATTTAAGACACCATTATGTGTAAGAAGGATTAATT
 TTACCATAAAAATTACAAACACCCTCCATGTCTTGACATTCACATGAAAGAACAGCATAAC
 ATTAATCATCAAATGCATATCAGAGCAAACCTCTAGGCCTTAGTGTGAGGTGAACACGGT
 AACTGCTACATTATGAAATCGGTTGGGCCTTAGTTAAATATTGTAGTATTTTTAAATTT
 TGTATATTGAAAAAGACAAAATGAGCTGTTAAGTGATAAACAGCTTACTCAATTTAGCAT
 AACTTTAATTTAGAAATGGAATAGTGAATTAAGAAAGCATATGAAGCAGATAAACAGT
 ATGTCCTTAGAAATATTAAGATTTTTACTCTGTTTACAAGTTTTGCTTTTTTGGTTATG
 CCTCTTAATATCTGTCTTTTACTTTTGTCTATAAAATAATTGCTTATGATTTCTAAAT
 TCTTTTCCAATAAAGCAATTATCGTTTTTATATGGTAAGAAANTACTGGATCATAGGTTT
 TAAGATCAGTGGCACAAATCATACATGTAGAAAGATTATGTAACAAATTCATTGNTAGGG
 TAGGAGTCAGANAGTACAGTACAGTTCCAGCCATCAGGAGAGGGTAGATTCTTATTACAG
 TTTTATAGAAAGAGGCAGAGTTTATATCTGAACCTGGCTTATTAATTAAGGACCTGGAAA
 TTGCT

Restriction Sites:

NotI-NotI

ACCN:

NM_016040

Insert Size:

3630 bp

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:	NM_016040.3 , NP_057124.2
RefSeq Size:	3969 bp
RefSeq ORF:	690 bp
Locus ID:	50999
UniProt ID:	Q9Y3A6
Cytogenetics:	1p22.1
Domains:	EMP24_GP25L
Protein Families:	Transmembrane
Gene Summary:	<p>Potential role in vesicular protein trafficking, mainly in the early secretory pathway. Required for the maintenance of the Golgi apparatus; involved in protein exchange between Golgi stacks during assembly. Probably not required for COPI-vesicle-mediated retrograde transport.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>