

Product datasheet for **SC328305**

TMED5 (NM_001167830) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TMED5
Synonyms:	CGI-100; p24g2; p28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328305 representing NM_001167830. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCGACAAGATCTGGCTGCCCTTCCCGTGCTCCTTCTGGCCGCTCTGCCTCCGGTGCTGCTGCCT
GGGGCGGCCGGCTTCACACCTTCCCTCGATAGCGACTTCACCTTTACCTTCCCGCCGCCAGAAGGAG
TGCTTCTACAGCCCATGCCCTGAAGGCCTCGCTGGAGATCGAGTACCAAGTTTTAGATGGAGCAGGA
TTAGATATTGATTCCATCTTGCTCTCCAGAAGGCAAAACCTTAGTTTTGAACAAAGAAAATCAGAT
GGAGTTCACACTGTAGAGACTGAAGTTGGTGATTACATGTTCTGCTTTGACAATACATTGACACCATT
TCTGAGAAGGTGATTTTCTTTGAATTAATCCTGGATAATATGGGAGAACAGGCACAAGAACAAGAAGAT
TGGAAGAAATATATTACTGGCACAGATATATTGGATATGAACTGGAAGACATCCTGGACCCTATTATA
AAAATAGCTTCAGATGTCAAATAAGACTGCATCTTGAATCCATCAACAGCATCAAGTCCAGACTAAG
CAAAAGTGGGCACATACAACTCTGCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGCCG
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001167830
Insert Size:	582 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001167830.1</u>
RefSeq Size:	6132 bp
RefSeq ORF:	582 bp
Locus ID:	50999
UniProt ID:	<u>Q9Y3A6</u>
Cytogenetics:	1p22.1
Protein Families:	Transmembrane
MW:	21.7 kDa

Gene Summary:

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]

Transcript Variant: This variant (2) includes an alternate exon that causes a frameshift in the 3' coding region, compared to variant 1. The resulting isoform (2) has a distinct and shorter C-terminus, compared to 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.