

Product datasheet for **SC214455**

TMED2 (NM_006815) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TMED2 (NM_006815) Human 3' UTR Clone
Symbol:	TMED2
Synonyms:	p24; P24A; p24b1; p24beta1; RNP24
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006815
Insert Size:	1883 bp



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Insert Sequence: >SC214455 3'UTR clone of NM_006815
 The sequence shown below is from the reference sequence of NM_006815. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGATTTTTGAAGTCCGGAGAGTTGTTAAAAGCCTTCTCTGATGATCCCAACTCAGAATCACTGT
TTACCAAAACACCTTGGTCATAATAATGTCATTAGTTTCTCCATTTTTATTTCTGAACTGTACATTCAC
AACTTATGTTTCTTTGAGATTAATAGATATTGGGGAAAAACGCCTTTTTAGGAAAATTATAGTAAAA
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GGACAACCTGTTGCATGCCAAGTTTTTGTGTGTGAAACACTTCAAACTGATTTAAAAGATGTAAT
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ACCGGAGACTAGATCACCACCTGTGAAACTGTTCTTCTCTGTGAAACTAACGGCTGCTGGTAATAA
AAGTAGCTACCATTTCTTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_006815.4](#)

Summary: Involved in vesicular protein trafficking. Mainly functions in the early secretory pathway but also in post-Golgi membranes. Thought to act as cargo receptor at the luminal side for incorporation of secretory cargo molecules into transport vesicles and to be involved in vesicle coat formation at the cytoplasmic side. In COPII vesicle-mediated anterograde transport involved in the transport of GPI-anchored proteins and proposed to act together with TMED10 as their cargo receptor; the function specifically implies SEC24C and SEC24D of the COPII vesicle coat and lipid raft-like microdomains of the ER. Recognizes GPI anchors structural remodeled in the ER by PGAP1 and MPPE1. In COPI vesicle-mediated retrograde transport inhibits the GTPase-activating activity of ARFGAP1 towards ARF1 thus preventing immature uncoating and allowing cargo selection to take place. Involved in trafficking of G protein-coupled receptors (GPCRs). Regulates F2RL1, OPRM1 and P2RY4 exocytic trafficking from the Golgi to the plasma membrane thus contributing to receptor resensitization. Facilitates CASR maturation and stabilization in the early secretory pathway and increases CASR plasma membrane targeting. Proposed to be involved in organization of intracellular membranes such as the maintenance of the Golgi apparatus. May also play a role in the biosynthesis of secreted cargo such as eventual processing.[UniProtKB/Swiss-Prot Function]

Locus ID: 10959

MW: 72.7