

Product datasheet for **RG204539**

TMED3 (NM_007364) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMED3 (NM_007364) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMED3
Synonyms:	C15orf22; P24B; p24g4; p24gamma4; p26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204539 representing NM_007364 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGCAGCACTGTCCCAGCTCCGCCTCCGTGCTGCTTCTGCTGCTGCTCCTGCGCCGGGCCGAGCAGC
CCTGCGGGGCCGAGCTCACCTTCGAGCTGCCGGACAACGCCAAGCAGTGCTTCCACGAGGAGGTGGAGCA
GGGCGTGAAGTTCTCCCTGGATTACCAGGTCATCACTGGAGGCCACTACGATGTTGACTGCTATGTAGAG
GACCCCGAGGGAAACACCATCTACAGAGAAACGAAGAAGCAGTACGACAGCTTACGTACCGGGCTGAAG
TCAAGGGCGTTTATCAGTTTTGCTTCAGTAATGAGTTTTCCACCTTCTCTACAAGACCGTCTACTTTGA
CTTTCAAGTGGGCGATGAGCCTCCATTCTCCAGACATGGGGAACAGGGTCACAGCTCTACCCAGATG
GAGTCCGCTGCGTGACCATCCATGAGGCTCTGAAAACGGTGATTGACTCCAGACGCATTACCGGCTGC
GGGAGGCCAGGACCGGGCCGAGCGGAAGACCTTAATAGCCGAGTCTTACTGGTCTGTTGGCGAGAC
GATTGCCCTGTTCTGGTTCAGTTCAGTCAGGTGCTACTGTTGAAAAGCTTCTTCACAGAAAAACGACCC
ATCAGCAGGGCAGTCCACTCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204539 representing NM_007364
 Red=Cloning site Green=Tags(s)

MGSTVPRASVLLLLLLLLRRAEQPCGAELTFELPDNAKQCFHEEVEQGVKFLSDYQVITGGHYDVCYVE
 DPQNTIYRETKKQYDSFTYRAEVKGVYQFCFSNEFSTFSHKT VYFDFQVGDPEPILPDMGNRVLTALQM
 ESACVTIHEALKTVIDSQTHYRLREAQDRARAEDLNSRVSYWSVGETIALFVVSFSQVLLLLKSFFTEKRP
 ISRAVHS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007364

ORF Size: 651 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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](#)

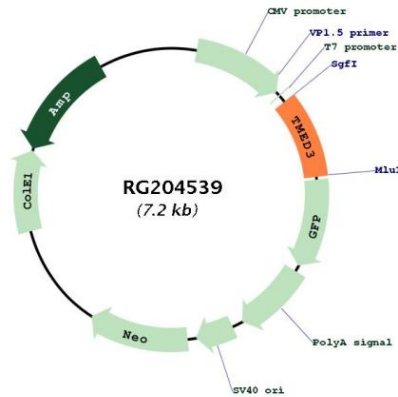
Cytogenetics: 15q25.1

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]

Product images:



Circular map for RG204539