

## Product datasheet for **SC334123**

### TMED4 (NM\_001303062) Human Untagged Clone

#### Product data:

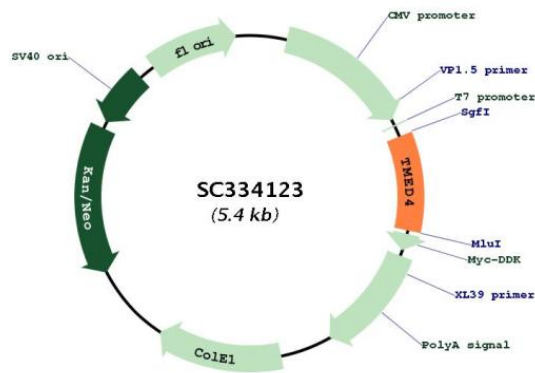
**Product Type:** Expression Plasmids  
**Product Name:** TMED4 (NM\_001303062) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TMED4  
**Synonyms:** ERS25; GMP25iso; HNFL; p24a3; p24alpha3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC334123 representing NM\_001303062.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGGATAAGCAGAAGGAGGTCTTCTGCCCTCGACCCTGGCCTGGGCATGCACGTGGAAGTGAAG
GACCCCGACGGCAAGGTGGTGTGTCCCGCAGTACGGCTCGGAGGGCCGCTTACGTTACCTCCCAC
ACGCCCGGTGACCATCAAATCTGTCTGCACTCAAATTCTACCAGGATGGCTCTTTCGCTGGTGGCAAA
CTGCGGGTGCATCTCGACATCCAGGTTGGGGAGCATGCCAACAACTACCCTGAGATTGCTGCAAAAGAT
AAGCTGACGGAGTACAGCTCCGCGCCCGCAGTTGCTTGATCAGGTGGAACAGATTAGAAGGAGCAG
GATTACCAAAGGTATCGTGAAGAGCGCTTCCGACTGACGAGCGAGACCAACCAGAGGGTCCTATGG
TGGTCCATTGCTCAGACTGTCATCCTCATCCTCACTGGCATCTGGCAGATGCGTCACCTCAAGAGCTTC
TTTGAGGCCAAGAAGCTGGTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

**Restriction Sites:** Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001303062

**Insert Size:** 507 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:**

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\\_001303062.1](#)

**RefSeq Size:** 2596 bp

RefSeq ORF: 507 bp

Locus ID: 222068

Cytogenetics: 7p13

Protein Families: Transmembrane

MW: 19.6 kDa

**Gene Summary:** Involved in vesicular protein trafficking, mainly in the early secretory pathway. targeting. Involved in the maintenance of the Golgi apparatus. Appears to play a role in the biosynthesis of secreted cargo including processing. Involved in endoplasmic reticulum stress response. May play a role in the regulation of heat-shock response and apoptosis (By similarity). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (6) contains an alternate segment in the 5' region and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (5) has a shorter N-terminus than isoform 1. Variants 5 and 6 encode the same isoform (5).