

## Product datasheet for **SC330452**

### **TMEM126B (NM\_001256546) Human Untagged Clone**

#### Product data:

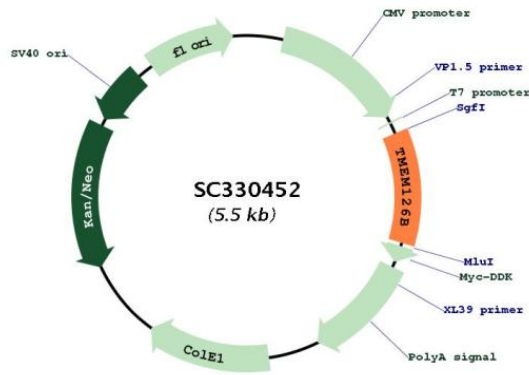
**Product Type:** Expression Plasmids  
**Product Name:** TMEM126B (NM\_001256546) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TMEM126B  
**Synonyms:** HT007; MC1DN29  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330452 representing NM\_001256546.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

```
ATGGCAGCATCTATGCATGGTCAGCCCAGTCCTTCTCTAGAAGATGCAAACTCAGAAGACCAATGGTC
ATAGAAATCATAGAAAAAATTTGACTATCTTAGAAAAGAAATGACACAAAATATATATCAAATGGCG
ACATTTGGAACAACAGCTGGTTTCTCTGGAATATTCTCAAACCTCCTGTTTCAGACGCTGCTTCAAGGT
AAACATGATGCTTTGAAGACATATGCATCATTGGCTACACTTCCATTTTGTCTACTGTTGTTACTGAC
AAGCTTTTGTAAATTGATGCTTTGTATTAGATAATATAAGCAAGGAAAAGTGTGTTTTCAGAAGCTCA
CTGATTGGCATAGTTTGTGGTGTCTTATCCCAGTTCCTTGGCTTTTACTAAAAATGGACGCCTGGCA
ACCAAGTATCATACCGTTCCTGCTCCACCAAAAAGGAAAGGTTTTAATCCATTGGATGACGCTTTGTCAA
ACACAAATGAAATTAATGGCGATTCTCTAGTCTTTCAGATTATGTTTGGAAATTTAAATGGTCTATAC
CATTATGCAGTATTTGAAGAGACTTGGAGAAAATATACATGAAGAGTAA
```

**Restriction Sites:** Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001256546

**Insert Size:** 603 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\\_001256546.1](#)

**RefSeq Size:** 1110 bp

**RefSeq ORF:** 603 bp

**Locus ID:** 55863

**UniProt ID:** [Q8IUX1](#)

**Cytogenetics:** 11q14.1

**Protein Families:** Transmembrane

**MW:** 22.8 kDa

**Gene Summary:** This gene encodes a mitochondrial transmembrane protein which is a component of the mitochondrial complex I assembly complex. The encoded protein serves as an assembly factor that is required for formation of the membrane arm of the complex. It interacts with NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 13. Naturally occurring mutations in this gene are associated with isolated complex I deficiency. A pseudogene of this gene has been defined on chromosome 9. [provided by RefSeq, Apr 2017]  
**Transcript Variant:** This variant (5) differs in the 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a. Both variants 3 and 5 encode the same isoform (c).