

## Product datasheet for **RG232007**

### **TMEM126B (NM\_001256547) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM126B (NM\_001256547) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TMEM126B  
**Synonyms:** HT007; MC1DN29  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG232007 representing NM\_001256547  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGCTGGGACTAAGCCAAGGGATTCAGGTGTGGTCCGGTGGGAAGCTGAGGAAGCGCCCAAGGACAC  
 AAAATATATATCAAATGGCGACATTTGGAACAACAGCTGGTTTCTCTGGAATATTCTCAAACCTCCTGTT  
 CAGACGCTGCTTCAAGGTTAAACATGATGCTTTGAAGACATATGCATCATTGGCTACACTTCCATTTTTG  
 TCTACTGTTGTTACTGACAAGCTTTTTGTAATTGATGCTTTGTATTTCAGATAATATAAGCAAGGAAAAC  
 GTGTTTTCAGAAGCTCACTGATTGGCATAGTTTGTGGTGTTCATCCAGTTCCTTTGGCTTTACTAA  
 AAATGGACGCCTGGCAACCAAGTATCATACCGTCCACTGCCACCAAAAGGAAGGGTTTTAATCCATTGG  
 ATGACGCTTTGTCAAACAAAATGAAATTAATGGCGATTCTCTAGTCTTTCAGATTATGTTTGAATAT  
 TAAATGGTCTATACCATTATGCAGTATTTGAAGAGACACTTGAGAAAACATACATGAAGAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG232007 representing NM\_001256547  
 Red=Cloning site Green=Tags(s)

MRLGLSQGIQVWCRWELRKRPRQNIYQMATFGTTAGFSGIFSNLFRRCFKVKHDALKTYASLATLPFL  
 STVVTDKLFVIDALYSDNISKENCVFRSSLIGIVCGVFPSSLAFTKNGRLATKYHTVPLPPKGRVLIHW  
 MTLCQTQMKLMAIPLVFQIMFGILNGLYHYAVFEETLEKTIHEE

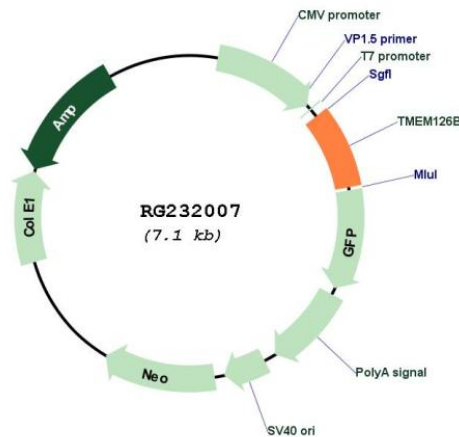
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001256547

**ORF Size:** 552 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001256547.2</u>
<b>RefSeq Size:</b>	916 bp
<b>RefSeq ORF:</b>	555 bp
<b>Locus ID:</b>	55863
<b>Cytogenetics:</b>	11q14.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]