

Product datasheet for **RG232098**

TMEM126B (NM_001256546) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM126B (NM_001256546) 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: >RG232098 representing NM_001256546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCATCTATGCATGGTCAGCCCAGTCCTTCTCTAGAAGATGCAAACTCAGAAGACCAATGGTCA
 TAGAAATCATAGAAAAAATTTGACTATCTTAGAAAAGAAATGACACAAAATATATATCAAAATGGCGAC
 ATTTGGAACAACAGCTGGTTTCTCTGGAATATTCTCAAACCTTCTGTTCAGACGCTGCTCAAGGTTAA
 CATGATGCTTTGAAGACATATGCATCATTGGCTACACTCCATTTTTGTCTACTGTTGTTACTGACAAGC
 TTTTTGTAATTGATGCTTTGTATTAGATAATATAAGCAAGGAAAAGTGTGTTTTCAGAAGCTCACTGAT
 TGGCATAGTTTGTGGTGTCTTCTATCCCAGTCTTTGGCTTTTACTAAAAATGGACGCCTGGCAACCAAG
 TATCATACCGTTCCTACTGCCACCAAAAGGAAGGTTTTAATCCATTGGATGACGCTTTGTCAAACACAAA
 TGAAATTAATGGCGATTCTCTAGTCTTTAGATTATGTTTGAATATTAATGGTCTATACCATTATGC
 AGTATTTGAAGAGACTTGAGAAAATACATGAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232098 representing NM_001256546
 Red=Cloning site Green=Tags(s)

MAASMHGQSPSLEDAKLRRPMVIEIEKNFDYLRKEMTQNIYQMATFGTTAGFSGIFSNFLFRRCFKVK
 HDALKTYASLATLPFLSTVVTDKLFVIDALYSDNISKENCVFRSSLIGIVCGVFYPSLAFTKNGRLATK
 YHTVPLPPKGRVLIHWMTLCQTQMKLMAIPLVFQIMFGILNGLYHYAVFEETLEKTIHEE

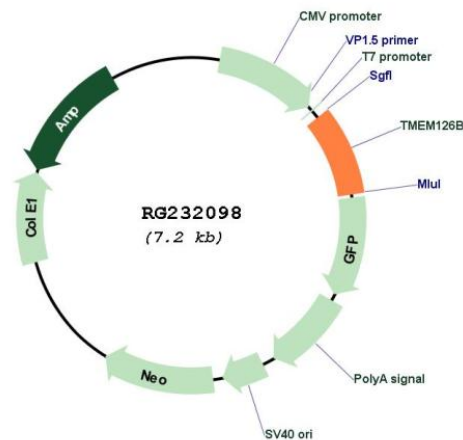
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001256546

ORF Size: 600 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_001256546.2](#)

RefSeq Size: 1110 bp

RefSeq ORF: 603 bp

Locus ID: 55863

UniProt ID: [Q8IUX1](#)

Cytogenetics: 11q14.1

Protein Families: Transmembrane

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]