

Product datasheet for RC231055

TMEM126B (NM_001193537) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: TMEM126B (NM_001193537) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: TMEM126B
 Synonyms: HT007; MC1DN29
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC231055 representing NM_001193537
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGAATAAAATTCTAAAGGTTTTCAAGATGGCAGCATCTATGCATGGTCAGCCCAGTCCTTCTCTAG
 AAGATGCAAAACTCAGAAGACCAATGGTCATAGAAATCATAGAAAAAATTTTGACTATCTTAGAAAAGA
 AATGACACAAAATATATCAAATGGCGACATTTGGAACAACAGCTGGTTTCTGGAATATTCTCAAAC
 TTCTGTTGACAGCTGCTTCAAGGTTAAACATGATGCTTTGAAGACATATGCATCATTGGCTACACTTC
 CATTTTTGTCTACTGTTGTTACTGACAAGCTTTTTGTAATTGATGCTTTGTATTTCAGATAATATAAGCAA
 GGAAAAGTGTGTTTTAGAAAGCTCACTGATTGGCATAAGTTGTGGTGTGTTTCTATCCCAGTCTTTGGCT
 TTTACTAAAAATGGACGCTGGCAACCAAGTATCATAACGTTCCACTGCCACAAAAGGAAGGGTTTTAA
 TCCATTGGATGACGCTTTGTCAAACACAAATGAAATTAATGGCGATTCTCTAGTCTTTAGATTATGTT
 TGGAAATTAATGGTCTATACCATTATGCAGTATTTGAAGAGACACTTGAGAAAATAACATGAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231055 representing NM_001193537
 Red=Cloning site Green=Tags(s)

MLNKILKVKMAASMHGQSPSLEDAKLRRPMVIEIEKNFDYLRKEMTQNIYQMATFGTTAGFSGIFSN
 FLFRRCFKVKHDALKTYASLATLPFLSTVVTDKLFVIDALYSDNISKENCVFRSSLIGIVCGVFYPSLA
 FTKNGLRATKYHTVPLPPKGRVLIHWMTLCQTQMKLMAIPLVFQIMFGILNGLYHYAVFEETLEKTIHEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193537

ORF Size: 630 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_001193537.3](#)

RefSeq Size: 1169 bp

RefSeq ORF: 633 bp

Locus ID: 55863

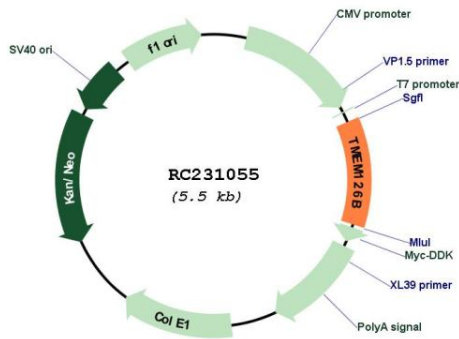
Cytogenetics: 11q14.1

Protein Families: Transmembrane

MW: 24 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]

Product images:



Circular map for RC231055