

## Product datasheet for MR202762

### Tmem126b (NM\_026734) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Tmem126b (NM_026734) Mouse Tagged ORF Clone                       |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Tmem126b  |
| Synonyms:                 | 1110001A23Rik   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR202762 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGTCCCAGCGACCAAGTTGGTCCGAGTCGAAGGTTGCTGGTGTGTCAGGAGGGAAATAGGG  
AAGCACCCAGGACATCAAGATGGCACTTTATAAACATGGTCAGCTGATTCCTCCCTAGGAGATGCAAA  
GTTCAGAAGCCCGATAATCTCTGAAATTATAGAAAAGAAGTTGAACATTATAGAAACGACAAGACTTTA  
AATATACATGGAACCTTTGGTCTTTGGAACAAGTAGTAGTTGTCTGGCATAATGGCAAACCTAGTTTTCC  
GAAACAGTTTCAAGGTTAAATATGAAGCTTTGAAGACCTATGCATCCCTGACTACACTTCCAGTTTTGGC  
TACCATCGTTTCTTACAAGCTCTTTGTAACAGATGCTTTGCAATCAGGTGACATAAGCAAGGAAAGCTGT  
GTTCTGAGGAGCGCACTAATTGGCATGGCATGCGGCGTTTCTACCCAGTGCTTTGGCTTTCTATAAAA  
ATGGACGTTTGGCAGTTAAGTATCAGACTGTTCCACTGCCACAAAGGGAAGAGTTATGCTCCATTGGTT  
GCTCCTTTGTCAAACCTGGGATGAAAGCAATGGCTATTCCTCTGTTCTTTTCAGATAGTAATGGGAGCTTTT  
ACTGGCTTACATCATTACAATATATGTGAAAAACACGTGCAAGGCTTGTGCCTGATGAT

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202762 protein sequence  
 Red=Cloning site Green=Tags(s)

MAASQRPSWSESKVAGVVQEGNREAPQDIKMALYKHGQLIPSLGDAKFRSPIISEIIEKKFEHYRNDKTL  
 NIHGTLVFGTSSSLSGIMANLVFRNSFKVKYEALKTYASLTPLVLATIVSYKLFVTDALQSGDISKESC  
 VLRSALIGMACGVSYPALAFYKNGRLAVKYQTVPLPPKGRVMLHWLLLCQTGMKAMAIPFFQIVMGAF  
 TGLHHYNICEKPRARLPDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_026734

**ORF Size:** 693 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\\_026734.2](#)

**RefSeq Size:** 890 bp

**RefSeq ORF:** 693 bp

**Locus ID:** 68472

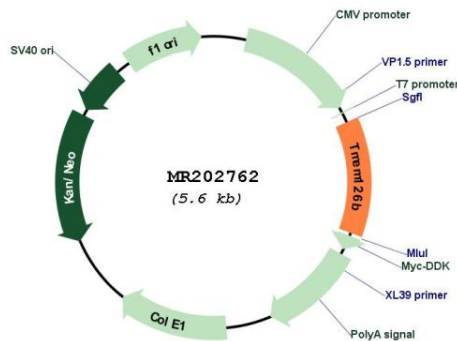
**UniProt ID:** [Q9D1R1](#)

**Cytogenetics:** 7 E1

**MW:** 25.4 kDa

**Gene Summary:** Chaperone protein involved in the assembly of the mitochondrial NADH:ubiquinone oxidoreductase complex (complex I). Participates in constructing the membrane arm of complex I (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202762