

Product datasheet for **RC231733**

TMEM126A (NM_001244735) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM126A (NM_001244735) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMEM126A
Synonyms: OPA7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231733 representing NM_001244735
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGGCAGGGATACCTTTTCTTACAACAGACTTAACTTACAGATGTTTTGTAAGTTTTCTTTGAATACAG
GTGATTTGGATTGTAAACCTGTACCATAACACGGAGTGGACTGACTGGTCTTGTATTGGTGGTCTATA
CCCTGTTTTCTTGGCTATACCTGTAATGGTGGTCTAGCAGCCAGGTATCAATCAGCTCTGTTACCACAC
AAAGGGAACATCTTAAGTTACTGGATTAGAAGCTTCTAAGCCTGTCTTTAGAAAGATGTTATTTCTATTT
TGCTCCAGACTATGTTTTCAGCATACTTGGGTCTGAACAATATAAACTACTTATAAAGGCCCTTCAGTT
ATCTGAACCTGGCAAAGAATTCAC**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231733 representing NM_001244735
Red=Cloning site Green=Tags(s)

MAGIPFLTTDLTYRCFVSFPLNTGDLDCETCTITRSLTGLVIGGLYPVFLAIPVNGGLAARYQSALLPH
KGNILSYWIRTSKPVFRKMLFPILLQTMFSAYLGSEYKLLIKALQLSEPGKEIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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_001244735.1 , NP_001231664.1
RefSeq Size:	725 bp
RefSeq ORF:	378 bp
Locus ID:	84233
UniProt ID:	Q9H061
Cytogenetics:	11q14.1
Protein Families:	Transmembrane
MW:	14.3 kDa
Gene Summary:	The protein encoded by this gene is a mitochondrial membrane protein of unknown function. Defects in this gene are a cause of optic atrophy type 7 (OPA7). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]