

Product datasheet for **RG231733**

TMEM126A (NM_001244735) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM126A (NM_001244735) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM126A
Synonyms: OPA7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231733 representing NM_001244735
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

**ATGGCAGGGATACCTTTTCTTACAACAGACTTAACTTACAGATGTTTTGTAAGTTTTCTTTGAATACAG
GTGATTTGGATTGTAAACCTGTACCATAACACGGAGTGGACTGACTGGTCTTGTATTGGTGGTCTATA
CCCTGTTTTCTGGCTATACCTGTAATGGTGGCTAGCAGCCAGGTATCAATCAGCTCTGTTACCACAC
AAAGGGAACATCTTAAGTTACTGGATTAGAACTTCTAAGCCTGTCTTTAGAAAGATGTTATTTCTATTT
TGCTCCAGACTATGTTTTCAGCATACCTTGGGTCTGAACAATATAAACTACTTATAAAGGCCCTTCAGTT
ATCTGAACCTGGCAAAGAATTCAC**

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231733 representing NM_001244735
Red=Cloning site **Green**=Tags(s)
MAGIPFLTDLTYRCFVSFPLNTGDLDCETCTITRSLTGLVIGLYPVFLAIPVNGGLAARYQSALLPH
KGNILSWIRTSKPVFRKMLFPILLQTMFSAYLGSEQYKLLIKALQLSEPKIEH

TRTRPLE - GFP Tag - V

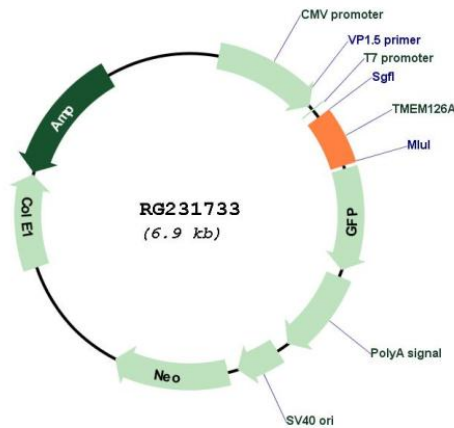
Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: NM_001244735

ORF Size: 375 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:	<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:	<u>NM_001244735.1</u> , <u>NP_001231664.1</u>
RefSeq Size:	725 bp
RefSeq ORF:	378 bp
Locus ID:	84233
UniProt ID:	<u>Q9H061</u>
Cytogenetics:	11q14.1
Protein Families:	Transmembrane
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]