

Product datasheet for **RG203188**

TMEM126A (NM_032273) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM126A (NM_032273) 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: >RG203188 representing NM_032273
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAATCATAAATCCAATAAAGGAAAACATAACAATTGTTGATATATCCAGAAAAATTAACCAGC
TTCCAGAAGCAGAAAGGAATCTACTTGAAAATGGATCGGTTTATGTTGGATTAATGCTGCTCTTTGTGG
CCTCATAGCAAACAGTCTTTTCGACGCATCTTGAATGTGACAAAGGCTCGCATAGCTGCTGGCTTACCA
ATGGCAGGGATACCTTTTCTTACAACAGACTTAACTTACAGATGTTTTGTAAGTTTTCTTTGAATACAG
GTGATTTGGATTGTGAAACCTGTACCATAACACGGAGTGGACTGACTGGTCTTGTATTGGTGGTCTATA
CCCTGTTTTCTTGCTATACCTGTAATGGTGGCTAGCAGCCAGGTATCAATCAGCTCTGTACCACAC
AAAGGGAACATCTTAAGTTACTGGATTAGAAGCTTCTAAGCCTGTCTTTAGAAAGATGTTATTTCTATT
TGCTCCAGACTATGTTTTCAGCATACCTTGGGTCTGAACAATATAAACTACTTATAAAGGCCCTTCAGTT
ATCTGAACCTGGCAAAGAAATTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203188 representing NM_032273
Red=Cloning site Green=Tags(s)

MENHKSNNKENITIVDISRKINQLPEAERNLLENGSVYVGLNAALCGLIANSIFRRILNVTKARIAAGLP
MAGIPFLTDLTYRCFVSFPLNTGDLDCETCTITRSGLTGLVIGGLYPVFLAIPVNGGLAARYQSALLPH
KGNILSYWIRTSKPVFRKMLFPILLQTMFSAYLGSEYKLLIKALQLSEPGKEIH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_032273

ORF Size: 585 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_032273.4](#)

RefSeq Size: 773 bp

RefSeq ORF: 588 bp

Locus ID: 84233

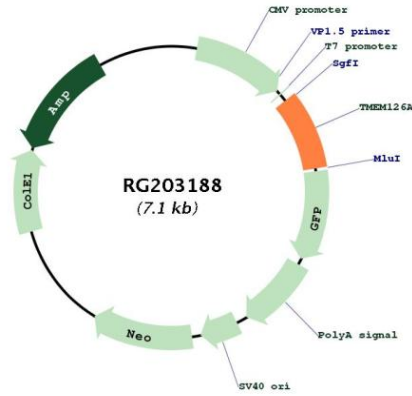
UniProt ID: [Q9H061](#)

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]

Product images:



Circular map for RG203188