

Product datasheet for RC203188

TMEM126A (NM_032273) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM126A (NM_032273) 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: >RC203188 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAAATCATAAATCCAATAAAGGAAAACATAACAATTGTTGATATATCCAGAAAAATTAACCAGC
TTCCAGAAGCAGAAAGGAATCTACTTGAAAATGGATCGGTTTATGTTGGATTAATGCTGCTCTTTGTGG
CCTCATAGCAAACAGTCTTTTTCGACGCATCTTGAAATGTGACAAAGGCTCGCATAGCTGCTGGCTTACCA
ATGGCAGGGATACCTTTTCTTACAACAGACTTAACTTACAGATGTTTTGTAAAGTTTTCTTTGAATACAG
GTGATTTGGATTGTGAAACCTGTACCATAACACGGAGTGGACTGACTGGTCTTGTATTGGTGGTCTATA
CCCTGTTTTCTTGGCTATACCTGTAATGGTGGTCTAGCAGCCAGGTATCAATCAGCTCTGTTACCACAC
AAAGGGAACATCTTAAGTTACTGGATTAGAAGCTTCTAAGCCTGTCTTTAGAAAGATGTTATTTCTATTT
TGCTCCAGACTATGTTTTCAGCATACCTTGGGTCTGAACAATATAAACTACTTATAAAGGCCCTTCAGTT
ATCTGAACCTGGCAAAGAAATTCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203188 protein sequence
Red=Cloning site Green=Tags(s)

MENHKSNNKENITIVDISRKINQLPEAERNLLENGSVYVGLNAALCGLIANSLFRRILNVTKARIAAGLP
MAGIPFLTDLTYRCFVSFPLNTGDLDCETCTITRSLTGLVIGGLYPVFLAIPVNGGLAARYQSALLPH
KGNILSYWIRTSKPVFRKMLFPILLQTMFSAYLGSEQYKLLIKALQLSEPGKEIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

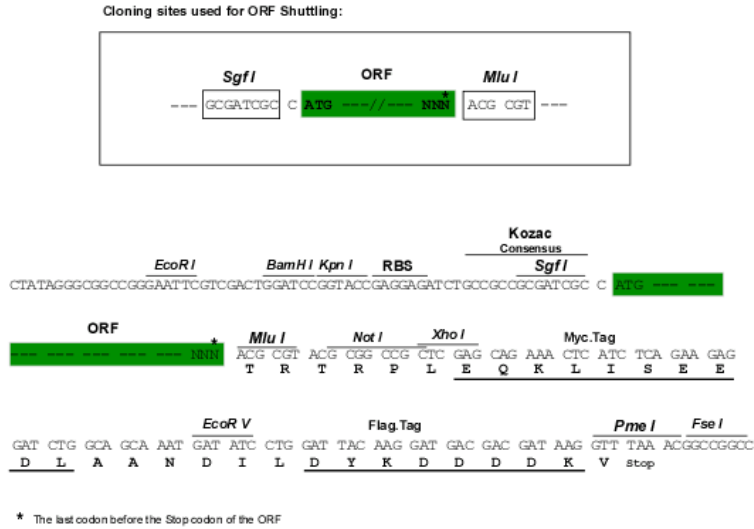
Chromatograms: https://cdn.origene.com/chromatograms/mk6412_f03.zip



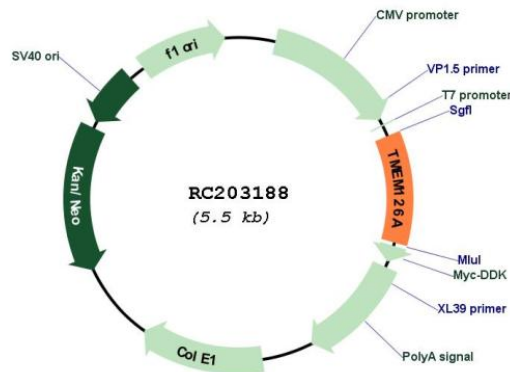
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_032273

ORF Size: 585 bp

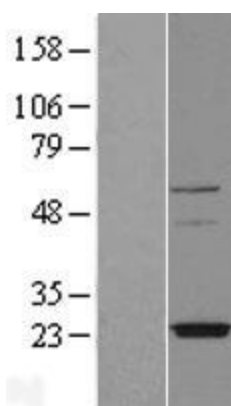
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

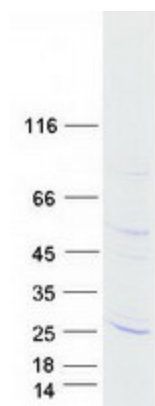
RefSeq: [NM_032273.4](#)

RefSeq Size:	818 bp
RefSeq ORF:	588 bp
Locus ID:	84233
UniProt ID:	Q9H061
Protein Families:	Transmembrane
MW:	21.5 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]

Product images:



Western blot validation of overexpression lysate (Cat# [LY410221]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203188 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TMEM126A protein (Cat# [TP303188]). The protein was produced from HEK293T cells transfected with TMEM126A cDNA clone (Cat# RC203188) using MegaTran 2.0 (Cat# [TT210002]).