

## Product datasheet for **SC123019**

### **TMEM126A (NM\_032273) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TMEM126A (NM_032273) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM126A
Synonyms:	OPA7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_032273 edited CCCAGGTAATTTGAGCAAAGGCCACAGTGAAGTCCGGCGTGGCTGAGGAAGGAGGAGGCA CCCACAGGCTGCTGGGAGGAGAGCATAAAGGCTCAAAATGGAAAATCATAAATCCAATAAT AAGGAAAACATAACAATTGTTGATATATCCAGAAAAATTAACCAGCTTCCAGAAGCAGAA AGGAATCTACTTGAAAATGGATCGGTTTATGTTGGATTAATGCTGCTCTTTGTGGCCTC ATAGCAAACAGTCTTTTTCGACGCATCTTGAATGTGACAAAGGCTCGCATAGCTGCTGGC TTACCAATGGCAGGGATACCTTTTCTTACAACAGACTTAACTTACAGATGTTTTGTAAGT TTTCCTTTGAATACAGGTGATTTGGATTGTGAAACCTGTACCATAACACGGAGTGGACTG ACTGGTCTTGTTATTGGTGGTCTATACCCTGTTTTCTTGGCTATACCTGTAATGGTGGT CTAGCAGCCAGGTATCAATCAGCTCTGTTACCACACAAAGGGAACATCTTAAGTTACTGG ATTAGAAGTCTAAGCCTGTCTTTAGAAAGATGTTATTTCTATTTTGCTCCAGACTATG TTTTCAGCATACCTTGGGCTGAACAATAAACTACTTATAAAGGCCCTTCAGTTATCT GAACCTGGCAAAGAAATCACTGATTTTAAACAAATATGTAACAAAAATAAAATGGTAA AAACAGAAA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_032273 unedited GTTCAGATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCCAGGTAAT TTGAGCAAAGGCCACAGTGAACCTCCGGCGTGGCTGAGGAAGGAGGAGGCCACCCACAGGCT GCTGGGAGGAGAGCATAAGGCTCAAAATGGAAAATCATAAATCCAATAATAAGGAAAACA TAACAATTGTTGATATATCCAGAAAAATTAACCAGCTTCCAGAAGCAGAAAGGAATCTAC TTGAAAATGGATCGGTTTATGTTGGATTAATGCTGCTCTTTGTGGCCTCATAGCAAACA GTCTTTTTCGACGCATCTTGAATGTGACAAAGGCTCGCATAGCTGCTGGCTTACCAATGG CAGGGATACCTTTTCTTACAACAGACTTAACTTACAGATGTTTTGTAAGTTTTCTTTGA ATACAGGTGATTTGGATTGTGAAACCTGTACCATAACACGGAGTGGACTGACTGGTCTTG TTATTGGTGGTCTATACCCTGTTTTCTTGGCTATACCTGTAATGGTGGTCTAGCAGCCA GGTATCAATCAGCTCTGTTACCACACAAAGGGAACATCTTAAGTTACTGGATTAGAACTT CTAAGCCTGTCTTTAGAAAGATGTTATTTCTATTTTGTCCAGACTATGTTTTCCAGCAT ACCTTGGGTCTGAACAATATAAACTACTATAAAGGCCCTTCAGTTATCTGAACCTGGCA AAGAAATTCAGTATTTTAAACAATATGTAACAAAAAATAAAATGGTAAANCCNGNNNA NAAAANNNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNA NAAAANNNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNA GGCCGCTCATAGCTGTTTCTTGAACGATCCCGGTGGCATCCCTGTGACCCTNCCCAGTG CCTCTCTGGCCCTGGAAGTGCCACTCATGCCCCAGCTTGTCTATAAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_032273
<b>Insert Size:</b>	782 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_032273.2</a> , <a href="#">NP_115649.1</a>
<b>RefSeq Size:</b>	773 bp
<b>RefSeq ORF:</b>	588 bp
<b>Locus ID:</b>	84233
<b>UniProt ID:</b>	<a href="#">Q9H061</a>
<b>Cytogenetics:</b>	11q14.1
<b>Protein Families:</b>	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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.