

Product datasheet for **SC105901**

TMEM126B (BC017574) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM126B (BC017574) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM126B
Synonyms:	HT007; MGC111203; transmembrane protein 126B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC017574, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCATCTATGCATGGTCAGCCCAGTCCTTCTCTAGAAGATGCAAACTCAGAAGACCAATGGTCA
TAGAAATCATAGAAAAAATTTTACTATCTTAGAAAAGAAATGACACAAAATATATATCAAATGGCGAC
ATTTGGAACAACAGCTGGTTTCTCTGGAATATTCTCAAACCTTCTGTTCAGACGCTGCTTCAAGTTAAA
CATGATGCTTTGAAGACATATGCATCATTGGCTACACTTCCATTTTGTCTACTGTTGTTACTGACAAGC
TTTTTGAATTGATGCTTTGTATTTCAGGTGAATTTAAATTCATAATGTATAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC017574 unedited
GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCAAAAGGTGGTGTTCG
GGTATGAGGCTGGGACTAAGCCAAGGGATTGAGGTGTGGTGCCGGTGGGAACTGAGGAAG
CGCCCAAGGAAATGAAACACGATTTCCAAAATGAACTTAATCTTTCATGAGAACTGAGG
ATAGAGATGTCAATAAGCAGCCACTGTTTCCACCTCCCCACCTGAAGAGCTAGGAGGACA
ACTACAAAGAGCCTGACTGCCTTCTCGGAATGAGGAGAGAGGAAAACAGCAACAGTATCA
GTTTTCAAGATGGCAGCATCTATGCATGGTCAGCCCAGTCCTTCTCTAGAAGATGCAAAA
CTCAGAAGACCAATGGTCATAGAAATCATAGAAAAAATTTTACTATCTTAGAAAAAGAA
ATGACACAAAATATATATCAAATGGCGACATTTGGAACAACAGCTGGTTTCTCTGGAATA
TTCTCAAACCTTCTGTTGAGACGCTGCTTCAAGGTTAAACATGATGCTTTGAAGACATAT
GCATCATTGGCTACACTTCCATTTTGTCTACTGTTGTTACTGACAAGCTNNTTGTAAAT
GATGCTTTGTATTTCAGATAATATAAGCAAGGAAAACACTGTGTTTTGAGAAGCTCACTGATT
GGCATAGTTTGTGGTGTCTTCTATCCCAGTTCTTTGGCTTTTACTAAAAATGGACGCCCC
TGCACCAAGTATCATACCGTTCCACTGCCACCAAAAGGAAAGGTTTTAATCCATTGGATG
ACCTTTGTCAAACACAATGAAATAATGCCGATTCTCTAGTCTTTCAGAATATGTTGGA
TATTAATGTCTATACATTATGCAGTATTGAGAGACCTTGAGAAAC
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3' Read Nucleotide Sequence:	>OriGene 3' read for BC017574 unedited NTCGGTTCAGCTATGNNACCGCGGCCAANCTANGATCGAGTTTTTTTTTTTTTTTTTTTT ACGTGTAAGATGAAACTTATATTTATTGATTGAATTATTGAATACTTTTTGAGATTTTGC TATATACCAGGCAAAAGGCACAGAACAAATTTTGTTCACAGTTACTTTAACTCTTTC AGCAATGCCTGAGTCCTTTTATAGAACTTCATTTTGCTAAGTTAGCAACCATTCAATT TTTTGGTTACTCTTCATGTATAGTTTTCTCAAGTGTCTCTTCAAATACTGCATAATGGTA TAGACCATTTAATATTCCAACATAATCTGAAAGACTAGAGGAATCGCCATTAATTTTCAT TTGTGTTTGACAAAGCGTCATCCAATGGATTAACCCCTTCCTTTTGGTGGCAGTGGAAC GGTATGATACTTGGTTGCCAGGCGTCCATTTTTAGTAAAAGCCAAAGAAGTGGGATAGAA AACACCACAAACTATGCCAATCAGTGAGCTTCTGAAAACACAGTTTTCTTGCTTATATT ATCTGAATACAAAGCATCAATTACAAAAAGCTTGTGAGTAAACAGTAGACAAAAATGG AAGTGTAGCCAATGATGCATATGTCTTCAAAGCATCATGTTTAACTTGAAGCAGCGTCT GAACAGGAAGTTTGAGAATATTCCAGAGAAACCAGCTGTTGTTCCAAATGTCGCCATTTG AATATATTTTGTGGCATTCTTTTCTAAGATAGTCAAAATTTTTTCTATGATTTCTATG ACCATTGGTCTTCTGAGTTTTGCATCTTCTAAAGAAGACTGGGCTGACCATGCATAGATG CTGCCCTTCTGAAAAGTAAAGTGGTGGTTCCTCTCTCCTATTCCGAGAAGCAAT CACGCCTCTTTGTAG
Restriction Sites:	NotI-NotI
ACCN:	BC017574
Insert Size:	1150 bp
OTI Disclaimer:	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).
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:	BC017574.1 , AAH17574.1
RefSeq Size:	1419 bp
RefSeq ORF:	1419 bp
Locus ID:	55863
Cytogenetics:	11q14.1
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a mitochondrial transmembrane protein which is a component of the mitochondrial complex I assembly complex. The encoded protein serves as an assembly factor that is required for formation of the membrane arm of the complex. It interacts with NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 13. Naturally occurring mutations in this gene are associated with isolated complex I deficiency. A pseudogene of this gene has been defined on chromosome 9. [provided by RefSeq, Apr 2017]