

Product datasheet for **SC113906**

TMEM70 (NM_017866) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM70 (NM_017866) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM70
Synonyms:	MC5DN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017866, the custom clone sequence may differ by one or more nucleotides

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ATGCTGTTTCTGGCGTTGGGCAGCCCGTGGGCGGTCGAACTGCCTCTCTGCGGAAGGAGGACTGCATTGT
GTGCGGCCCGCGCTCCGAGGTCCCGGGCCTGTGTCTCCCGGGCGTCTCCAGCAGCGGGCCTTCGGG
GCCGGTAGCCGGCTGGAGTACGGGGCCTTCGGGAGCCGCGCCTTCTCCGGCGTCCGGGTGAGCGCAG
ATCCCTGTTTATTGGGAAGGATATGTTTCGATTCTAAATACGCCATCTGACAAATCAGAAGATGGAAGGC
TAATTTACTGGCAATATGGCCCGAGCAGTGTTTGGTGTGAAATGTTTCTTTATTCTACGAGTCTGAT
TGGCCTTACATTTCTGCCATACATTTTTACACAAAATAATGCTATTTCTGAAAGTGTGCCTCTGCCTATT
CAAATCATATTCTATGGCATCATGGGAAGCTTTACGGTGATCACCCAGTGCTGCTTCACTTTATTACAA
AAGGCTATGTCATTGATTGTACCATGAGGCCACAACAGACACTATAAAGCCATTACCTACAATGCTAT
GCTTGCAGAAACGAGTACAGTGTTCACCAGAATGATGTGAAGATTCCAGATGCTAAACATGATTTACC
ACATTTTATGCTAAAACAAAATCACTGTTAGTTAATCCAGTGCTCTTCCAAACCGTGAAGACTATATCC
ATCTAATGGGTTATGACAAAGAAGAATTTATTTGTATATGGAAGAAACCAAGTGAAGAGAAACGGCATAA
AGATGACAAATGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017866 unedited
 NGGGTCACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCCGTGTC
 TCGCAGTCGTGGACTCGTGCAGCTGGGGCGTCCGCAGCCGCTCGTACCCCGGTGATGCT
 GTTTCTGGCGTTGGGCAGCCCGTGGGGCGTGAAGTGCCTCTCTGCGGAAGGAGGACTGC
 ATTGTGTGCGGCCCGCGCTCCGAGGTCCCGGCCCTGTCTCCCGGGCGTCTCCAG
 CAGCGGGCCTTCGGGGCCGGTAGCCGGCTGGAGTACGGGGCCTTCGGGAGCCGCGCGCT
 TCTCCGGCGTCCGGGTCGAGCGCAGATCCCTGTTTATTGGGAAGGATATGTTTCGATTCTT
 AAATACGCCATCTGACAAATCAGAAGATGGAAGGCTAATTTATACTGGCAATATGGCCCG
 AGCAGTGTGGTAAAGTAATTGGAGGTGGGTGACTTACTTTGTTTTTTCTCTTTAAT
 TGTAAAAATATCCTTACCGTATCTTACTTGTGTTATGGCATCCCTAATTACAGGACGT
 AAGGAAAATTAGATTTTCATTTTTTTTCTTGAGGTGTGTTGATAAGATGTAGAGACCTT
 TGCATTTTAGATTTTTATTGAGACAGAGTCTCACTCTGTTGTCCAGGCTGGAGTGCAG
 TGGCATGATCTTGGTTCACCATACTCTTCGCTCCCATGTTCAAGCGATTCTCCTGGCTC
 AGCCTCCTGCTGNGATTACAGGTATGCACCACCACACTGGCCAATTTTTGTATTTTTAG
 TAGAGACAGGGTTTACCATGTTGGTCAAGCTGGTCTTGAACCTCACTCAAGTAACC
 CACCCNACCTCGCTNCCAAGTATTGNGATTACAGGCGTGAGCCACACGCCCGGCTCTAT
 T

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017866 unedited
 CGGGCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTA
 TACTAGCATGAACATATTTATTCACATACCTTTCTAAAACACGAATGGGAGATACTACAT
 TTTGGTTTCCAAACATAGCTTGTATTATAAACAACATCATTCTCTGGAAATAAAA
 GCTTTGATAATTTCAAATTTTTTAACAATCAGTCACTAACGGAATGCAAAAGGCAATT
 TTATTATTATACATTAACGTAATACATTTAAGCAGCAACTAACAAATAGGCTCA
 TTTCTCATCTTTATGCCGTTTCTTCACTGGCTTCTTCCATATACAAAAATAATTCTTC
 TTTGTCATAACCCATTAATGGATATAGTCTTACGGTTTGGAAAGAGCACTGGATTAAC
 TAACAGGGATTTGTTTTAGCATAAAATGGGGTAAATACATGTTTAGCATCTGGAATCTT
 CACATCATTCTGGGAAACACTGTACTCGTTTCTGCAAGCATAACATTGTAGGTAATGGC
 TTTATAAGTGTCTGTTGTGGCCTCATGGTACAATCGAATGACATAGCCTTTTGTAATAAA
 GTGAAACACCACTGGGGTGATCACCGTAAAGCTTCCCCTGATGCCCTAGAATATGATTTG
 AATAGGCAGAGGCACCCCTTTCAGAAATAGCCTTATTTTGGGTANAATGTTTGCCAGAAT
 TGTAAGGCCAATCACACCTCCGAGATTAAAAAACCCTTTCCACCTCAATGGGGAAAAAA
 GAGAGAGGCCACTCTCTTAAATCTTATAAAAAGTATTCTTTCCCCAATTCCTGCAT
 TTTTTCTCTACCGACCGCCTCAGAACAACCACTCACCTCACTACGGGCTTTTATTTT
 TCAGCCCTCGGTTAGGACTCTCTATTTTGACTTCATGCCCTGTCTGCACCTAAAGCCCC
 CCT

Restriction Sites:

NotI-NotI

ACCN:

NM_017866

Insert Size:

3340 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:	NM_017866.3 , NP_060336.3
RefSeq Size:	2096 bp
RefSeq ORF:	783 bp
Locus ID:	54968
UniProt ID:	Q9BUB7
Cytogenetics:	8q21.11
Protein Families:	Transmembrane
Gene Summary:	<p>This gene likely encodes a mitochondrial membrane protein. The encoded protein may play a role in biogenesis of mitochondrial ATP synthase. Mutations in this gene have been associated with neonatal mitochondrial encephalocardiomyopathy due to ATP synthase deficiency. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (1) represents the shortest transcript and encodes the longer isoform (a).</p>