

## Product datasheet for **SC114186**

### TIMMDC1 (NM\_016589) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TIMMDC1 (NM_016589) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIMMDC1
Synonyms:	C3orf1; MC1DN31
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114186 sequence for NM_016589 edited (data generated by NextGen Sequencing)

```
ATGGAGGTGCCGCCACCGCACCGCCGAGCTTTCTCTGTAGAGCATTGTGCCTATTTCCC  
CGAGTCTTTGCTGCCGAAGCTGTGACTGCCGATTCGGAAGTCTTGAGGAGCGTCAGAAG  
CGGCTTCCCTACGTCCCAGAGCCCTATTACCCGGAATCTGGATGGGACCGCCTCCGGGAG  
CTGTTTGGCAAAGATGAACAGCAGAGAATTTCAAAGACCTTGCTAATATCTGTAAGACG  
GCAGCTACAGCAGGCATCATTGGCTGGGTGTATGGGGGAATACCAGCTTTTATTCATGCT  
AAACAACAATACATTGAGCAGAGCCAGGCAGAAATTTATCATAACCGTTTGATGCTGTG  
CAATCTGCACATCGTGTGCCACACGAGGCTTCATTTCGTTATGGCTGGCGCTGGGTTGG  
AGAACTGCAGTGTGTCACTATATTCAACACAGTGAACACTAGTCTGAATGTATACCGA  
AATAAAGATGCCTTAAGCCATTTTGAATTGCAGGAGCTGTACGGAAGTCTTTTTAGG  
ATAAACGTAGGCCTGCGTGGCCTGGTGGCTGGTGGCATAATTGGAGCCTTGCTGGGCACT  
CCTGTAGGAGGCCTGCTGATGGCATTTCAGAACTACTCTGGTGAGACTGTTTCAGGAAAGA  
AAACAGAAAGGATCGAAAGGCACTCCATGAGCTAAAAGTGGAAAGTGGAAAGGCAGACTA  
CAAGTTACTGAGCACCTCCCTGAGAAAATTGAAAGTAGTTTACAGGAAGATGAACCTGAG  
AATGATGCTAAGAAAATTGAAGCACTGCTAAACCTTCTAGAAACCCTTCAGTAATAGAT  
AAACAAGACAAGGACTGA
```

Clone variation with respect to NM\_016589.3  
438 g=>c



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016589 unedited  
 AGCATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCCTCGTGCC  
 GAATTCGGCAGGAGGCGGATTCTCACCTCGTACAGTTACGCTCTCCCGCGGCACGTCCGC  
 GAGGACTTGAAGTCTGAGCGCTCAAGTTTGTCCGTAGGTCGAGAGAAGGCCATGGAGGT  
 GCCGCCACCGGCACCGCGGAGCTTTCTCTGTAGAGCATTGTGCCTATTTCCCGAGTCTT  
 TGCTGCCGAAGCTGTGACTGCCGATTTCGGAAGTCCTTGAGGAGCGTCAGAAGCGGCTTCC  
 CTACGTCCTCCAGGCCCTATTACCCGGAATCTGGATGGGACCGCCTCCGGGAGCTGTTGG  
 CAAAGATGAACAGCAGAGAATTTCAAAGGACCTTGCTAATATCTGTAAGACGGCAGCTAC  
 AGCAGGCATCATTGGCTGGGTGTATGGGGGAATACCAGCTTTTATTCATGCTAAACAACA  
 ATACATTGAGCAGAGCCAGGCAGAAAATTTATCATAACCGGTTTGTGCTGTGCAATCTGC  
 ACATCGTGTGCCACACGAGGCTTCATTTCGTTATGGCTGGCGCTGGGGTTGGAGAAGTGC  
 AGTGTGTTGCTACTATATCAACACAGTGAACACTAGTCTGAATGTATACCGAAATAAAGA  
 TGCCTTAAGCCATTNTGTAATTGCAGGAGCTGTCACGGGAAGTCTTTCTAGGATAAACGT  
 ANGCTGCGTGGCTGGTGGCTGGTGGCATAATTGGAGCCTTGCTGGGCACTCCTGTANN  
 GAGCCTGCTGATGTCATTTGAGAAGTACTCTGGTGGAGCTGTTCCANGAAAGAAACCAGAG  
 GATCCGAAGCACTCCATGAGCTAAACTGTNAGATGGAAGGCAGACTACAGTACTGACACC  
 TCCTGAGAAAATTGAAGTAGTTTACAGGAGATGACCTGAGATGATGCTACAN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016589 unedited  
 CGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTATCTTTTGCAGAAATGTTT  
 TATTTACTGCTTAAAATCTAGGTGGGTGGATATATTCATGTATGCATATATTGATAGATT  
 AATACAAACATAAGTATGTATTTAAATTTAAGGATAAGTAAAGTGAGAGTACAACAGCCC  
 CATTCTTAGTTAAAAAGAAAAGAAAAGACAAGAGCAAGCCACTGCCACCACAGGTACCA  
 GCATTTAAATTTGTCAGCAGGCTGACCAAAGAGTGGCCTGTCTGTTGGCATTTCATCGGAC  
 ATGGCAGCTCCCTTCAGCTCTCCAGTGAGTTTCAAGTTCAGAGCACTTTTCAAGTCTTGT  
 TTGTTTATCTATTACTGAAGGTTTCTAGGAAGGTTTAGCAGTGCTTCAATTTTCTTAGC  
 ATCATTCTCAGTTTCATCTTCTGTAACTACTTTCAATTTTCTCAGGGAGGTGCTCAGT  
 AACTTGTAGTCTGCCTTTCCACTCTTCCAGTTTACTCATGGAGTGCCTTTTCGATCCTT  
 CTGTTTTCTTTCTGAACAGTCTCACCAGAGTACTTCTGAAATGCCATCAGCAGGCTCC  
 TACAGGAGTGCCAGCAAGGCTCCAATTATGCCACCAGCCACCAGGCCACGCAGGCTAC  
 GTTTATCTTAAAAAGACTTCCCCTGACAGCTCCTGCAATTACAAAATGGCTTAAGGCATC  
 TTTATTTTCGGTATACATTCAGACTAGTGTTCAGTGTGTTGAATATAGTGACAAACACTGC  
 AGGTCTNCAACCCAGCGCAGCCATAACGAATGAAGCCTCGTGTGGCAGCACGATGTGCA  
 GATGCACAGCATCAAACGGNNTATGATAATTCTGCCTGGCCTGCTCATGTAATGNGTGGT  
 AACATGATAAAAGCTGGTATTCCATACACCACCATGATGCTGCTGACTGCGCCTACGAA  
 TTACAAGCTCTTGAATCTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016589

**Insert Size:**

1380 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).

<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_016589.2</a> , <a href="#">NP_057673.2</a>
<b>RefSeq Size:</b>	1592 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	51300
<b>UniProt ID:</b>	<a href="#">Q9NPL8</a>
<b>Cytogenetics:</b>	3q13.33
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Chaperone protein involved in the assembly of the mitochondrial NADH:ubiquinone oxidoreductase complex (complex I). Participates in constructing the membrane arm of complex I.[UniProtKB/Swiss-Prot Function]