

## Product datasheet for **SC108699**

### TTC11 (FIS1) (NM\_016068) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TTC11 (FIS1) (NM_016068) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC11
Synonyms:	CGI-135; TTC11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_016068 edited ATGGAGGCCGTGCTGAACGAGCTGGTGTCTGTGGAGGACCTGGAAGTTTGAAAAGAAA TTTCAGTCTGAGAAGGCAGCAGGCTCGGTGTCCAAGAGCACGCAGTTTGAGTACGCCTGG TGCTGTGGTGGGAGCAAGTACAATGATGACATCCGTAAAGGCATCGTGCTGCTCGAGGAG CTGCTGCCCAAAGGGAGCAAGGAGGAACAGCGGGATTACGTCTTCTACCTGGCCGTGGGG AACTACCGGCTCAAGGAATACGAGAAGGCCTTAAAGTACGTCCGCGGGTTGCTGCAGACA GAGCCCCAGAACAACAGGCCAAGGAAGTGGAGCGGCTCATTGACAAGGCCATGAAGAAA GATGGACTCGTGGGCATGGCCATCGTGGGAGGCATGGCCCTGGGTGTGGCGGGACTGGCC GGACTCATCGGACTTGCTGTGTCCAAGTCCAAATCCTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016068 unedited CACCAGGTTCTCCGCCCTGCCACTGGGCCATGGAGACTGTGGCACAGTAGACTGTAGTG TGAGGCTCGCGGGGGCAGTGGCCATGGAGGCCGTGCTGAACGAGCTGGTGTCTGTGGAGG ACCTGCTGAAGTTTGAAAAGAAATTTTCAGTCTGAGAAGGCAGCAGGCTCGGTGTCCAAGA GCACGCAGTTTGAGTACGCCTGGTGCCTGGTGGGAGCAAGTACAATGATGACATCCGTA AAGGCATCGTGCTGCTCGAGGAGCTGCTGCCCAAAGGGAGCAAGGAGGAACAGCGGGATT ACGTCTTCTACCTGGCCGTGGGAACTACCGGCTCAAGGAATACGAGAAGGCCTTAAAGT ACGTCCGCGGGTTGCTGCAGACAGAGCCCCAGAACAACAGGCCAAGGAAGTGGAGCGGC TCATTGACAAGGCCATGAAGAAAGATGGACTCGTGGGCATGGCCATCGTGGGAGGCATGG CCCTGNGTGTGGCGGGACTGGCCGGACTCATCGGACTTGCTGTGTCCAAGTCCAAATCCT GAAGGAGACGCGGGAGGCCACGGAGAAGCTCCAGGAGGGCCTGTCCATCCTCGTGTGCC T



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_016068 unedited GGGGCGNCGGGGCNNACNCNNNNCNTTTTTNNTNNNAAAATTTTACTTTGNNACCGCG NCCCGCAACTAGGATCGGATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCA AGCCACAGCCCCGTTTTTATTTACTCATCCCAAAGCACATGATGGGGCTGAAGGACAAA TCTCAGGGGAGCAAAAATTACCTGAAGGCCACAAGGATAAAAACGGGGGGCAGGGGGAA AACAGGGAAAGGACAGCGAGGATGGACAGGCCCTCCTGGAGCGTTCTCCGGGGCTCCCG CGTCTCCTTCAGGATTTGGACTTGGACACAGCAAGTCCGATGAGTCCGGCCAGTCCCGCC ACACCCAGGGCCATGCCTCCACGATGGCCATGCCACGAGTCCATTTTTCTTCATGGCC TTGTCAATGAGCCGCTCCAGTTCCTTGGCCTGGTGTCTGGGGCTCTGTCTGCAGCAAC CCGCGGACGTACTTTAAGGCCTTCTCGTATTCCTTGGCCGAGTTCACCCACGGCCAGG TAAAAACGTAATCCCGCTGTTCTCCTTGCTCCCTTTGGGCAGCAGCTCCTCGAGCAGC ACGATGCCTTTACGGATGTCATCATTGACTTGTCTCCGACCAGGCACCAGGCGTACTCA AACTGCGTGTCTTGGACACCGAGCCTGCTGCCTTCTCAGACTGAAATTTCTTTTCAAAC TTAAGCAGGTCTCCAAAAACACCGACTCGTTCACACGGCCTCCATGGCCACTGCCCCCG GGAGCCAACACTACAGTTACTGTCCACATCTCCATGGCCATTGGCAGGGCGGGAAAAC TTGTGCCGAATTCACCGCCCTATAGTGATTGTTTTCAAATTTCTGACCGGTAACCTA AACGAGCTTTGCTATATTAACCTCCACGACCCGCTACCGCCATTTGGGTAAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016068
<b>Insert Size:</b>	830 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>	<u><a href="#">NM_016068.1</a></u> , <u><a href="#">NP_057152.1</a></u>
<b>RefSeq Size:</b>	735 bp
<b>RefSeq ORF:</b>	459 bp
<b>Locus ID:</b>	51024
<b>UniProt ID:</b>	<u><a href="#">Q9Y3D6</a></u>
<b>Cytogenetics:</b>	7q22.1
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

The balance between fission and fusion regulates the morphology of mitochondria. TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission (James et al., 2003 [PubMed 12783892]).[supplied by OMIM, Mar 2008]