

## Product datasheet for MC211361

### Ttc19 (NM\_029704) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ttc19 (NM\_029704) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ttc19  
**Synonyms:** 2010204O13Rik; 2810460C24Rik; AI505442  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211361 representing NM\_029704  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTCCGGTTGCTTCGCTGGCGTCTGGGTGCAACCTGCTGCGGGCCGCGGGCCGGCGGTGTTGGGGTT  
 GTACGGCGCGCTGCTGCCGAGCGGACGGGCGACGCGGGGACGGGCGCGGAGCGGCTGCCGACCCGAGG  
 CGCGCCGCGCGGGGACGCGGGTGTGCTGCCGCTGTTGGCAGCTCTCGCCTGGTTCTCGGACCCGCGGG  
 ACGGCCGAGCAGCCGGGAGAGGACGCGTCAAGCAGGCGGAGGCGGAGATCATCCAGCTGCTGAAGCAAG  
 CCAAGTTGAGCATCATGAAAGACGAGCCAGAAGCGGCCGAGCTGATTTTGCATGACGCTCTTCGCTTGC  
 GTATGAGAGTGACAACAGGAAGGCCATCACGTACACTTATGACCTGGCAGAACAGCTTTTTAAAGCAACG  
 ATGAGTTATCTGCTTGGAGGAGGCATGAAGCAGGAAGACAATGCAATAATTGAAATCTCTGAAACTGG  
 CCAACATCTATGCTGCTCAGAATAAACAGGAATTTGCCCTTGTGGCTATGAATTCTGCATTTCAACTCT  
 AGAGGGGAAAAATTGAAAGAGAAAAGGAATTAGCAGAAGATATTATGTCAGAAGAAACAGCCAATACTTAC  
 CTCTCCTTGGTATGTGCTTAGACTCTGTGCACGCTATCTGCTATTCTCAAGCAGCTATCACAGGCAC  
 AAAGGATGTATGAAAAGCCCTGCAGATTTGTCAAGAAATACAAGGAGAAAGACACCCACAGACATTGT  
 GCTGATGAGTGACTTGGCTACTACTCTGGATGCACAGGCCACTTTGATGATGCCTACATTTATATGCAG  
 AGGGCGTCAGATCTGGCAAGAGAGATAAATCACCTGAGCTGCACATGGTACTCAGCAATCTGGTGCCA  
 TTTTGATACACAGAGAGCGATACACACAAGCAAAGGAGATCTACCAGGAAGCGCTGAAGCGAGCAGAGCT  
 GAAAAGAGATGAGGTTTCTGTTGAGCAGCATCAGGGAAGAATTGGCTGAACTGTCAAGAAAAAGTAGACGT  
 TTGACT**TAA**

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_029704



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<b>Insert Size:</b>	1059 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_029704.2</a></u> , <u><a href="#">NP_083980.2</a></u>
<b>RefSeq Size:</b>	3397 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	72795
<b>UniProt ID:</b>	<u><a href="#">Q8CC21</a></u>
<b>Cytogenetics:</b>	11 B2
<b>Gene Summary:</b>	Required for the preservation of the structural and functional integrity of mitochondrial respiratory complex III by allowing the physiological turnover of the Rieske protein UQCRFS1 (PubMed:21278747, PubMed:28673544). Involved in the clearance of UQCRFS1 N-terminal fragments, which are produced upon incorporation into the complex III and whose presence is detrimental for its catalytic activity (PubMed:28673544).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an in-frame coding exon, as compared to variant 1. The resulting isoform (2) is shorter and lacks an internal segment, as compared to isoform 1.