

## Product datasheet for MC218455

### Ttc19 (BC037111) Mouse Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                                  |
| Product Name:             | Ttc19 (BC037111) Mouse Untagged Clone                |
| Tag:                      | Tag Free   |
| Symbol:                   | Ttc19  |
| Synonyms:                 | 2010204O13Rik; 2810460C24Rik; AI505442               |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)                               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                 |
| Fully Sequenced ORF:      | >BC037111<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAAAGACGAGCCAGAAGCGGCCGAGCTGATTTTGCATGACGCTCTTCGCCTTGCGTATGAGAGTGACA  
 ACAGGAAGGCCATCACGTACCTTATGACCTGATGGCCAACTTAGCATTTATACGAGGGCAGCTTGAAAA  
 TGCAGAACAGCTTTTAAAGCAACGATGAGTTATCTGCTTGGAGGAGGCATGAAGCAGGAAGACAATGCA  
 ATAATTGAAATCTCTGAAACTGGCCAACTCTATGCTGCTCAGAATAAACAGGAATTTGCCCTTGCTG  
 GCTATGAATTCTGCATTTCAACTCTAGAGGGGAAAATTGAAAGAGAAAAGGAATTAGCAGAAGATATTAT  
 GTCAGAAGAAACAGCCAATACTTACCTCCTCCTTGGTATGTGCTTAGACTCTTGTGCACGCTATCTGCTA  
 TTCTCCAAGCAGCTATCAGGCCACAAAGGATGTATGAAAAAGCCCTGCAGATTTGTCAAGAAATACAAG  
 GAGAAAGACACCCACAGACCATTTGTGCTGATGAGTGACTTGGCTACTACTCTGGATGCACAGGGCCACTT  
 TGATGATGCCTACATTTATGTCAGAGGGCGTCAGATCTGGCAAGAGAGATAAATCACCTGAGCTGCAC  
 ATGGTACTCAGCAATCTGGCTGCCATTTTGATACACAGAGAGCGATACACACAAGCAAAGGAGATCTACC  
 AGGAAGCGCTGAAGCGAGCAGAGCTGAAAAGAGATGAGGTTTCTGTTCAGCACATCAGGGAAGATTGGC  
 TGAAGTGTCAAGAAAAAGTAGACGTTTGACTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                    |           |
|--------------------|-----------|
| Restriction Sites: | SgfI-MluI |
| ACCN:              | BC037111  |
| Insert Size:       | 804 bp    |


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|                               |   |
|-------------------------------|---|
| <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="#">BC037111</a></u> , <u><a href="#">AAH37111</a></u>   |
| <b>RefSeq Size:</b>           | 2548 bp   |
| <b>RefSeq ORF:</b>            | 803 bp  |
| <b>Locus ID:</b>              | 72795   |
| <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]   |