

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
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC037111
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAGACGAGCCAGAAGCGGCCGAGCTGATTTTGCATGACGCTCTTCGCCTTGCATGAGAGTGACA
ACAGGAAGGCCATCACGTACACTTATGACCTGATGGCCAACTTAGCATTTATACGAGGGCAGCTTGAAAA
TGCAGAACAGCTTTTTAAAGCAACGATGAGTTATCTGCTTGGAGGAGGCATGAAGCAGGAAGACAATGCA
ATAATTGAAATCTCTCTGAAACTGGCCAACATCTATGCTGCTCAGAATAAACAGGAATTTGCCCTTGCTG
GCTATGAATTCTGCATTTCAACTCTAGAGGGGAAAATTGAAAGAGAAAAGGAATTAGCAGAAGATATTAT
GTCAGAAGAAACAGCCAATACTTACCTCCTCCTTGGTATGTGCTTAGACTCTTGTGCACGCTATCTGCTA
TTCTCCAAGCAGCTATCACAGGCACAAAGGATGTATGAAAAAGCCCTGCAGATTTGTCAAGAAATACAAG
GAGAAAGACACCCACAGACCATTGTGCTGATGAGTGACTTGGCTACTACTCTGGATGCACAGGGCCACTT
TGATGATGCCTACATTTATATGCAGAGGGCGTCAGATCTGGCAAGAGAGATAAATCACCCCTGAGCTGCAC
ATGGTACTCAGCAATCTGGCTGCCATTTTGATACACAGAGAGCGATACACACAAGCAAAGGAGATCTACC
AGGAAGCGCTGAAGCGAGCAGAGCTGAAAAGAGATGAGGTTTCTGTTAGCACATCAGGGAAGAATTGGC
TGAAGTGTCAAGAAAAAGTAGACGTTTGACTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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



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| 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: | <u>BC037111</u> , <u>AAH37111</u> |
| RefSeq Size: | 2548 bp |
| RefSeq ORF: | 803 bp |
| Locus ID: | 72795 |
| Cytogenetics: | 11 B2 |
| Gene Summary: | 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] |