

Product datasheet for **RN202278**

Ttc19 (NM_001109644) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc19 (NM_001109644) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ttc19
Synonyms:	RGD1311797
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202278 representing NM_001109644 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTCCGGCTGCTTCGCTGGCGTCTGGGTGCAACCTGCTGCGGGCCGCGGGCCGGCGGTGCGGGGGCT
GTACTGCGCGCTACTGCCGGAGCGGGCGGTGACGCGGGTCCGGGCGCGGAGCGGCTGCGGACCCGAGG
CGCGCCGGCGCGGGGGCACCGAGTGTGCGCTGTTGGCAGCGCTCGCTGGTTCTCGGAACCGCGGGC
GCAGAGGAGCAGCCGGGAGAGGACGCGACAGACGAGGCGGAGGCAGAGATCATCCAGCTGCTGAAGCGAG
CCAAGTTGAGCATCATGAAAGATGAGCCAGAAGCAGCCGAGCTGATTTTGCATGACGCTCTTCGCTTGC
GTATGAGAGTGACAACAAGAAGGCCATCACGTACACTTATGACTTGGCAGAACAACTTTTAAAGCTACA
ATGAGCTACCTGCTTGGAGGAGGCATGAAGCAGGAAGACAATGCGATAGTTGAAATCTCTCTGAACTGG
CCAACATCTACGCTGCTCAGAATAAACAGGAGTTTGCCCTGGCTGGCTATGAATTCTGCATTTCAACTCT
AGAGGGGAAAAATTGAAAGAGAAAAGGAATTAGCAGAAGATATTATGTCAGAAGAAAGAGCCAATACTTAC
CTCCTCCTTGGCATGTGCTTAGACTCTTGTGCACGCTACCTGCTATTCTCAAGCAGCTGTCACAGGCAC
AAAGGATGTATGAAAAAGCCCTGCAGATTTGTCAAGAAATACAAGGAGAAAGACCCACAGACCATTGT
GCTGATGAGTGACTTGGCTACTGCTCTGGATGCGCAGGGCCACTTGTATGATGCCTACATTTATATGCAG
AGGGCGTCAGATCTGGCAAGGGAGATAAATCACCTGAGCTGCACATGGTGCTCAGCAATCTGGCTGCCA
TCTTGATACACAGAGAACGATACACACAAGCAAAGGAGATCTACCAGGAAGCACTGAAGCAAGCAGAGCT
GAAAAGAGATGAGTTTTCTGTTCAACACATCAGGAAGAATTGGCTGAGCTGTCAAGAAAAAGTAGACTT
TTGACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001109644
Insert Size:	1059 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).
Reconstitution Method:	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>NM_001109644.1</u> , <u>NP_001103114.1</u>
RefSeq Size:	2194 bp
RefSeq ORF:	1059 bp
Locus ID:	691506
UniProt ID:	<u>D4A6D7</u>
Cytogenetics:	10q23
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 UQCRCF1. Involved in the clearance of UQCRCF1 N-terminal fragments, which are produced upon incorporation into the complex III and whose presence is detrimental for its catalytic activity. [UniProtKB/Swiss-Prot Function]