

Product datasheet for **SC113938**

TTC19 (NM_017775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC19 (NM_017775) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC19
Synonyms:	2010204O13Rik; MC3DN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017775, the custom clone sequence may differ by one or more nucleotides

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ATGTTCCGGCTCCTGAGCTGGAGCCTGGGCCGAGGCTTCTGCGGGCCGCGGGGCGGCGGTGCCGGGGCT
GCTCCGCGCGCCTGCTCCCGGGGCTGGCAGGAGGTCCGGGGCCCGAGGTGCAGGTGCCGCCATCCCGAGT
CGCGCCGCACGGCCGGGGCCAGGCCTGCTGCCGCTGCTGGCAGCGCTCGCCTGGTTCTCGAGGCCCGCT
GCGGCAGAGGAGGAGGAGCAGCAGGGAGCCGACGGGGCCGCTGCCGAGGACGGGGCGGACGAGGCCGAGG
CAGAGATCATCCAGCTGCTGAAGCGAGCCAAGTTGAGCATTATGAAAGATGAGCCAGAAGAGGCTGAGTT
AATTTTGCATGACGCTCTTCGTCTCGCTATCAGACTGATAACAAGAAGGCCATCACTTACACTTATGAT
TTGATGGCCAACCTTAGCATTTATACGGGGTCAGCTTGAAAATGCTGAACAACTTTTTAAAGCAACAATGA
GTTACCTCCTTGGAGGGGGCATGAAGCAGGAGGACAATGCAATAATTGAAATTTCCCTAAAGCTGGCCAG
TATCTATGCTGCGCAGAACAGACAGGAATTTGCTGTTGCTGGCTATGAATTCTGCATTTCAACTCTAGAG
GAAAAAATTGAAAGAGAAAAGGAATTAGCAGAAGACATTATGTCAGTGGAAGAGAAAAGCCAATACCCACC
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AAGGATGTATGAAAAAGCTCTGCAGATTCTGAAGAAATACAAGGAGAAAAGACACCCACAGACCATTGTG
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GGGCATCAGATCTGGCAAGACAGATAAATCATCCTGAGCTACACATGGTACTCAGTAATCTAGCTGCAGT
TTTGATGCACAGAGAACGATATACACAAGCAAAAGAGATCTACCAGGAAGCACTGAAGCAAGCAAGCTG
AAAAAAGATGAAATTTCTGTACAACACATCAGGGAAGAGTTGGCTGAGCTGTCAAAGAAAAGTAGACCTT
TGACAAATTCTGTCAAGCTCTAA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017775 unedited
 GGTGAGGATTTGTATCCGACTCATATAGGCGGCCGCCATTTCGGCACGAGGCTGGAGCCT
 GGGCCGAGGCTTCTGCGGGCCGCGGGCGGCGGTGCCGGGGCTGCTCCGCGCGCCTGCT
 CCCGGGGCTGGCAGGAGGTCCGGGGCCCGAGGTGCAGGTGCCGCCATCCCGAGTCGCGCC
 GCACGGCCGGGGCCAGGCTGCTGCCGTTGCTGGCAGCGCTCGCTGGTTCTCGAGGCC
 CGCTGCGGCAGAGGAGGAGGAGCAGCAGGGAGCCGACGGGGCCGCTGCCGAGGACGGGGC
 GGACGAGGCCGAGGCAGAGATCATCCAGCTGCTGAAGCGAGCCAAGTTGAGCATTATGAA
 AGATGAGCCAGAAGAGGCTGAGTTAATTTTGCATGACGCTCTTCGCTCGCCTATCAGAC
 TGATAACAAGAAGGCCATCACTTACCTTATGATTTGATGGCCAACCTAGCATTATACG
 GGGTCAGCTTGAAAAATGCTGAACAACCTTTTAAAGCAACAATGAGTTACCTCCTTGAGG
 GGGCATGAAGCAGGAGGACAATGCAATAATTGAAATTTCCCTAAAGCTGGCCAGTATCTA
 TGCTGCGCAGAACAGACAGGAATTTGCTGTTGCTGGCTATGAATTCTGCATTTCAACTCT
 AGAGGAAAAAATTGAAAGAGAAAAGGAATTACCCCAAGACATTATGTCAGTGGAAGAGA
 AAGCCAATACCCACCTTCTCTTGGGCATGTGCCTAGACGCTGTGCTCGCTACCTTCTGT
 TCTCCAAGCAGCGTCACAAGCCCAAAAGATGTATGAAAAGCTCTGCCGATTTTGAAG
 AAACCCACGGCGAAGAACCCACCACCATTTGTCGGATGATGACCTGGCTACTCCCTGGA
 TGCCACG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017775 unedited
 CTATGGACCGGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGTGTAGTCTC
 ATTTATTATGAAAAGATTCTTCCAGTATGTACATACGAACCAAAAGTATCAGTTTATCAG
 TCCCACTCACATCCACCCACAGGCATACCAACAGGGTCAATCTTCTTCATGGTACC
 TAGAAAACTGTCTTTTCTTAGGTAAATGGCTAAAAATGTATTCATGACTGCTGCAGT
 AAGAGCATCCACCTATGTATCTTTACATACTTTGAGACAGTGTGATAAAGCTCTTTCAGC
 ACAGCAGTCTATTCATTCAAAGTCATCTAACCAATACCTTCCCCACAGCTAAGAAAGA
 ATCCCACTGTTTCCCTAGTTTAGAGATGAAGATACTGAAATTGCAAAAGCAAAAGGCTA
 GGACTAAGATCCAGGTCAGTAGTTCAGCTATACCAGCAGTACACATTAGAATTACGAAGA
 GTTTTAAATATACCTGTAGGGGCTATTCTGACTCAGAACAGCCTGGGCTGTGTGCTCT
 TAAAGAGTACTTGAGATGACTCAGTTGTGTGACTAAGGCTGCAAGGAAGTAGAGTGTT
 AGATAACACAGACAAAAGTTACATCATTCTTAGTTTTAGTTTTATATAAACACCCCA
 TTTTATAGTTTATATAACAGATAAATATGGTTCACTTTTATTTAAATTCAAATGGGTGC
 TATACTGTCACGTGCCTAATCCCACTTTACAACCTTCATGCTGGATGCTGGTAGCAAACT
 AAGAAATTTTCTCTTTTATGGATTAAATNCCAATTGTGCTTCNTGAAACAGACTATAAG
 AACCAATTNCCCTAATTCCCTTTGCCATGANGGAAAGTAATCTGGTCAGTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_017775

Insert Size:

2760 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_017775.1, NP_060245.1</u>
RefSeq Size:	3505 bp
RefSeq ORF:	822 bp
Locus ID:	54902
UniProt ID:	<u>Q6DKK2</u>
Cytogenetics:	17p12
Domains:	TPR
Gene Summary:	This gene encodes a protein with a tetratricopeptide repeat (TPR) domain containing several TPRs of about 34 aa each. These repeats are found in a variety of organisms including bacteria, fungi and plants, and are involved in a variety of functions including protein-protein interactions. This protein is embedded in the inner mitochondrial membrane and is involved in the formation of the mitochondrial respiratory chain III. It has also been suggested that this protein plays a role in cytokinesis. Mutations in this gene cause mitochondrial complex III deficiency. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2012] Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.