

## Product datasheet for SC117229

### TTC4 (NM\_004623) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TTC4 (NM_004623) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC4
Synonyms:	CNS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117229 sequence for NM_004623 edited (data generated by NextGen Sequencing)

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ATGGAACAACCTGGGCAGGATCCCACCTCAGACGACGTCATGGACTCGTTCTCGAAAAG
TTCCAGAGCCAGCCTTACCGTGGCGGCTTCATGAGGACCAAGTGGGAGAAGGAATTTGAA
AAGGTCCCCTATTTATGACGAGAGCGCCATCAGAAATTGATCCCAGGGAGAATCCTGAC
TTGGCTTGCTCCAGTCAATTATTTTTGATGAGGAGCGTTCTCCAGAAGAACAGGCCAAG
ACCTATAAAGATGAGGGCAATGATTACTTTAAAGAAAAAGACTACAAGAAAGCTGTAATT
TCATACACTGAAGGCTTAAAGAAGAAATGTGCAGATCCTGATTTGAATGCTGTCTTTAT
ACCAACCCGGGCAGCAGCACAGTACTATCTGGGCAATTTTCGTTCTGCTCTCAATGATGTG
ACAGCTGCCAGAAAGCTAAAACCCTGCCACCTCAAAGCAATAATAAGAGGTGCCTTATGC
CATCTGGAACGAAACACTTTGCCGAGGCCGTGAACTGGTGTGATGAGGGACTGCAAATA
GATGCCAAAGAGAAGAAGCTTCTGGAAATGAGGGCTAAAGCAGACAAGCTGAAGCGAATT
GAACAGAGGGATGTGAGGAAAGCCAACCTTAAAAGAAAAGAGGAGGAATCAGAATGAG
GCTTTACTCCAGGCCATCAAGGCTAGGAATATCAGGCTCTCAGAAGCTGCCTGTGAGGAT
GAAGATTCAGCCTCAGAAGGTCTAGGTGAGCTTTTCTGGATGGACTCAGCACTGAGAAC
CCCCATGGAGCCAGGCTGAGTCTAGATGGCCAGGGCAGGCTGAGCTGGCCTGTGCTCTTT
CTGTACCCAGAGTATGCCAGTCGGACTTCATCTCTGCTTTTCATGAGGACTCCAGGTTT
ATTGATCATCTAATGGTGTGTTTTGGTGAACACCCTCTTGGGACCTAGAGCAAAAATAT
TGCCCTGATAATTTGGAGGTCTACTTTGAGGATGAGGACAGGGCAGAATAACCCGGGTG
CCTGCCAAGAGCACCTTGCTACAGGTTCTACAGCACCAGAGGTAATTTGTAAGCCCTG
ACACCAGCATTTTTGGTCTGTGTAGGATCCTCTCTTTTTGCAAGAATTTCTCCGGGGG
AGAAAGGTGTACCAGATACGATGA

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Clone variation with respect to NM\_004623.4  
139 t=>a



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004623 unedited  
 ACATTTTGTATACGACTCACTATAGGCGGCCGCGATTCCGCACGAGGATCAGCTATGGA  
 ACAACCTGGGCAGGATCCCACCTCAGACGACGTCATGGACTCGTTCCTGGAAAAGTTCCA  
 GAGCCAGCCTTACCGTGGCGGCTTTCATGAGGACCAGTGGGAGAAGGAATTTGAAAAGGT  
 CCCCTATTTATGACGAGAGCGCCATCAGAAATGATCCCAGGGAGAATCCTGACTTGGC  
 TTGTCTCCAGTCAATTATTTTGTAGGAGCGTTCTCCAGAAGAAGCAAGCAAGACCTA  
 TAAAGATGAGGGCAATGATTACTTTAAAGAAAAAGACTACAAGAAGCTGTAATTTTCATA  
 CACTGAAGGCTTAAAGAAGAAATGTGCAGATCCTGATTTGAATGCTGTCCTTTATACCAA  
 CCGGGCAGCAGCACAGTACTATCTGGGCAATTTTCGTTCTGCTCTCAATGATGTGACAGC  
 TGCCAGAAAGCTAAAACCCTGCCACCTCAAAGCAATAAAGAGGTGCCTTATGCCATCT  
 GGAAGTGAACACTTTGCCGAGGCCGTGAAGTGGTGTGATGAGGGACTGCAAAATAGATGC  
 CAAAGAGAAGAAGCTTCTGAAAATGAGGGCTAAAGCAGACAAGCTGAAGCGAATTGAACA  
 GAGGGATGTGAGGAAAGCCAACCTGAAAGAAAAGAAAGAGAGGAATCAGAATGAGGCTTT  
 ACTCCAGGCCATCAAGGCTAGGAATATCAGGCTCTCAGAAGCTGCCTGTGAGGATGAAGA  
 TTCAGCCTCAGAAGGTCTAGGTGAGCTTTTCTGGATGGACTCAGCACTGAGAACCCCA  
 TGAGCCAGNCTGAGTCTANATGCCCCAGGCAGCTGAGCTGGCCTGTTGCTCTTCTGTAC  
 CCAGATATGCCAGTCGGACTTATCTCTGCTTTCATGAGGACCTCAGTTTATTGATCTCT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_004623 unedited  
 CAGAGTCGAGCCCTTTTTTTTTTTTTTTTGTCTTTTTTGTTTTTTTTTTTTTTTTTAAAG  
 GAGGGATAACCTCCTTTTAGGAAGGGGCAACAAACAGTTGCAAAAAAATATACTTTGT  
 AACAAACCAACTTGCTAAAAATTTTCCAGTTTAAAAACACAAAATCCTAAATGTA  
 ACTGCAAAAGGAACCTAAAAGGCCACTGCCAAAGTCTGTACAGCCCTCCTTTTGGAAAA  
 AATAAAAAAATGGGCAATTTTTTAGGGTACCAAGGATCTAAGTTTGTCCGGTTTTTA  
 TAAATGCAAAGCAAGAAGGGTTTTCTTGCCCAATTTCACTTGAAGGCATTTTAACCAC  
 CCCCAAATGGTTTCTTCTGGCCGAAGAAATACCTGGAGGCCAGGGCTTCTAAGTTTTA  
 AGCCTTGGAACTATGCCTTGTGGTTTGGGGCAAAATGCATTTTGGGGGACTTTTTTC  
 TAGGCCAACCCCAAAAAGTTCAAAATCTGTATGGAATTTGATTTTTTACACAAACC  
 AGGGCCCGTTAAGCCAATGTTTGGCTACTGCAAAAAGGCCCTTACGCTGGATCCAC  
 GCCCTTTGGGCACACCCAATGTTTTTCTGAGAAATGAAACCATCAACAGCCTCTTT  
 TTTGGACCAAGCTCCCCCCCCCTAGCCGGAAGCCCTTCTCGGGCCCTTTTAACTTC  
 CTCCCCTTCTCCCCTTTTCCCCTTCCACCCACAACAGGGGAGGTAACCTCCGCC  
 CCTCCTCATCCCCTTGCCTTCTCCTCCGCAATTTTTCCAGCAGGCCCCCCCTTAA  
 CCCCCCGCGCCTTACCCCCCTGCCCAACTCCCTGCGCTTTTAGCCCTCTCTCCCC  
 CCCCTTCCCCCTTATTTCCCCTCCCCTTATTTCTTCCCCTTACCCTCCNTTCTCT  
 CTTT

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_004623

**Insert Size:**

2110 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:** [NM\\_004623.2](#), [NP\\_004614.2](#)

**RefSeq Size:** 2006 bp

**RefSeq ORF:** 1164 bp

**Locus ID:** 7268

**UniProt ID:** [O95801](#)

**Cytogenetics:** 1p32.3

**Domains:** TPR

**Gene Summary:** This gene encodes a protein that contains tetratricopeptide (TPR) repeats, which often mediate protein-protein interactions and chaperone activity. The encoded protein interacts with heat shock proteins 70 and 90. Alternative splicing results in multiple transcript variants. Naturally-occurring readthrough transcription occurs from upstream gene MROH (maestro heat-like repeat family member 7) to this gene. [provided by RefSeq, Apr 2014]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).