

## Product datasheet for **SC115966**

### TCP1 theta (CCT8) (NM\_006585) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCP1 theta (CCT8) (NM_006585) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCP1 theta
Synonyms:	C21orf112; Cctq; D21S246; PRED71
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC115966 sequence for NM\_006585 edited (data generated by NextGen Sequencing)

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ATGGCGCTTCACGTTCCCAAGGCTCCGGGCTTTGCCAGATGCTCAAGGAGGGAGCGAAA
CACTTTTCAGGATTAGAAGAGGCTGTGTATAGAAAACATACAAGCTTGCAAGGAGCTTGCC
CAAACCACTCGTACGCATATGGACCAATGGAATGAACAAAATGGTTATCAACCACTTG
GAGAAGTTGTTTGTGACAAAACGATGCAGCAACTATTTAAGAGAACTAGAAGTACAGCAT
CCTGCTGCAAAAATGATTGTAATGGCTTCTCATATGCAAGAGCAAGAAGTTGGAGATGGC
ACAAAACCTTTGTTCTGGTATTTGCTGGAGCTCTCCTGGAATTAGCTGAAGAACTTCTGAGG
ATTGGCCTGTGAGTTTCAGAGGTCATAGAAGGTTATGAAATAGCCTGCAGAAAAGCTCAT
GAGATTCTTCTAATTTGGTATGTTGTTCTGCAAAAAACCTTCGAGATATTGATGAAGTC
TCATCTCTACTTCGTACCTCCATAATGAGTAAACAATATGGTAATGAAGTATTTCTGGCC
AAGCTTATTGCTCAGGCATGCGTATCTATTTTCTGATTCCGGCCATTTCAATGTTGAT
AACATCAGAGTTTGTAATAATCTGGGCTCTGGTATCAGTTCCTCTCAGTATTGCATGGC
ATGGTTTTTAAGAAGGAAACCGAAGGTGATGTAACATCTGTCAAAGATGCAAAAATAGCA
GTGTAATCTTGTCTTTTGTGATGGCATGATAACAGAACTAAGGGAACAGTGTGATAAAG
ACTGCTGAAGAATTGATGAATTTAGTAAGGGAGAAGAAAACCTCATGGATGCACAAGTC
AAAGCTATTGCTGATACTGGTGCAAATGTCGTAGTAACAGGTGGCAAAGTGGCAGACATG
GCTCTTCATTATGCAAATAAATAATATCATGTTAGTGAGGCTAAACTCAAAATGGGAT
CTCCGAAGACTTTGTAATAACTGTTGGTGTACAGCTCTTCTAGATTGACACCTCCTGTC
CTTGAAGAAATGGGACACTGTGACAGTGTTTACCTCTCAGAAGTTGGAGATACTCAGGTG
GTGGTTTTTAAGCATGAAAAGGAAGATGGCGCCATTTCTACCATAGTACTTCGAGGCTCT
ACAGACAATCTGATGGATGACATAGAAAAGGCAGTAGACGATGGTGTAACTTTCAA
GTTCTTACAAGGATAAACGCTTTGTACCCGGAGGTGGAGCAACAGAAATTGAATTAGCC
AAACAGATCACATCATATGGAGAGACATGCTCTGGACTTGAACAGTATGCTATTAAGAAG
TTTGCTGAGGCATTTGAAGCTATTCCCCGCGCACTGGCAGAAAACCTTGAGTTAAGGCC
AATGAAGTAATCTCTAACTTTATGCAGTACATCAAGAAGGAAATAAAAACGTTGGATTA
GATATTGAGGCTGAAGTCCCTGCTGTAAGGACATGCTGGAAGCTGGTATTCTAGATACT
TACCTGGGAAAATATTGGGCTATCAAACCTCGCTACTAATGCTGCAGTCACTGTACTTAGA
GTGGATCAGATCATCATGGCAAACAGCTGGTGGGCCCAAGCCTCAAGTGGGAAGAAA
GACTGGGATGATGACAAAATGATTGA
    
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Clone variation with respect to NM\_006585.2

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_006585 unedited
GGATTTTGTAAATACGACTCACTATAGGGGCGGCCGCGATTCCGGCAGGAGCGCGGTCTTC
CGAGCGGTCGCGTGAAGTCTTCTGCAAGGCTGGCCATGGCGCTTCACGTTCCCAAGGCT
CCGGGCTTTGCCAGATGCTCAAGGAGGGAGCGAAACACTTTTTCAGGATTAGAAGAGGCT
GTGTATAGAAACATACAAGCTTGCAAGGAGCTTGCCCAAACCACTCGTACAGCATATGGA
CCAAATGGAATGAACAAAATGGTTATCAACCACTTGAGAGAAGTTGTTTGTGACAAAACGAT
GCAGCAACTATTTAAGAGAAGTACAAGTACAGCATCCTGCTGCAAAAATGATTGTAATG
GCTTCTCATATGCAAGAGCAAGAAGTTGGAGATGGCACAACCTTTGTTCTGGTATTTGCT
GGAGCTCTCCTGGAAATTAGCTGAAGAACTTCTGAGGATTGGCCTGTCAGTTTCAGAGGTC
ATAGAAGTTATGAAATAGCCTGCAGAAAAGCTCATGAGATTCTCCTAATTTGGTATGT
TGTTCTGCAAAAACCTTCGAGATATTGATGAAGTCTCATCTCTACTTCGTACCTCCATA
ATGAGTAAACAATATGGTAATGAAGTATTTCTGGCCAAGCTTATTGCTCANGCATGCGTA
TCTATNTTCTGATTCCGGCCATTTCAATGTTGATAACATCAGAGTTTGTAAAATCTG
GGCTCTGGTATCAGTTCCCTTTCAGTATTGCATGGCATGGGTTTTAAGAAGGAAACCGAG
GTGATGTACATCTGTCAAGATGCAAAAATAGCAGGGTACCTCTGGTCTTTTGTGATGGCATGA
TAACAGAACTAGGGAACAGTNGTGATAAAGACTGCTNGAGAAATGATGAATTTTAGTAG
GGGAGAAGAAAACCTCTNGATG
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_006585 unedited CGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTGGACAGTAACAATATGTTTAT TATAACATCCAGCCAAGAATACAAACACAAAATAACTCTTAATTTAAGGAGAATAAGAAA ACATCAGGTGATTCTTGAGTACTACTACAAATACAGCCTTACCTACAGTAAAAATTAAG CCAATTTCAATCATTTTTGGTCATCATCCCAGTCTTTCTCCCACTTGGAGGCTTGGGCC ACCAGCTGGTTTTGCCATGATGATCTGATCCACTCTAAGTACAGTGACTGCAGCATTAGT AGCGAGTTTGATAGCCAATATTTTCCCAGGTAAGTATCTAGAATACCAGCTTCCAGCAT GTCCTTTACAGCAGGGACTTCAGCCTCAATATCTAATCCAACGTTTTTATTCTTCTTG ATGTAAGTGCATAAAGTTTAGAGATTACTTCATTGGCCTTAACTCCAGAGTTTTCTGCCAG TGCGCGGGGAATAGCTTCAAATGCCTCAGCAAACCTTCTAATAGCATACTGTTCAAGTCC AGGACATGTCTCTCCATATGATGTGATCTGTTGGCTAATTCAATTTCTGTTGCTCCACC TCCGGGTACAAGACGTTTATCCCTTGTAAAGAACTTTGAAAGTATTAACACCATCGCTAC TGCCCTTTCTATGTCATCCATCAGATTGTCTGTAGAGCCTCGAAGTACTATGGTAGAAAT GGCGCCATCTTCTTTTCATGCTTAAAAACCACCCTGAGTATCTNCAACTTCTGAGAG TAAACTGTGACAGTGTCCATTTCTTCCAGGACAGGAGTGTCAATCTAGGAGAGCTGTA NACCAACAGTTTACAAAGTCTCCGAGATCCATCTGAGTTAGCCTACTACATGATATATAT TATTGCATATGAAGACCATGCTGCCACTTGTACTGTACTACACATTGCACAGATAGCAT N
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006585
<b>Insert Size:</b>	1920 bp
<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>NM_006585.2, NP_006576.2</u>
<b>RefSeq Size:</b>	1895 bp
<b>RefSeq ORF:</b>	1647 bp
<b>Locus ID:</b>	10694
<b>UniProt ID:</b>	<u>P50990</u>
<b>Cytogenetics:</b>	21q21.3
<b>Domains:</b>	cpn60_TCP1

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes the theta subunit of the CCT chaperonin, which is abundant in the eukaryotic cytosol and may be involved in the transport and assembly of newly synthesized proteins. Alternative splicing results in multiple transcript variants of this gene. A pseudogene related to this gene is located on chromosome 1. [provided by RefSeq, Sep 2013]  
Transcript Variant: This variant (1) encodes the longest isoform (1).