

## Product datasheet for **SC301398**

### **CCT6A (NM\_001009186) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CCT6A
Synonyms:	CCT-zeta; CCT-zeta-1; CCT6; Cctz; HTR3; MoDP-2; TCP-1-zeta; TCP20; TCPZ; TTCP20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



**Fully Sequenced ORF:**

>SC301398 representing NM\_001009186.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGGCGGTGAAGACCCTGAACCCCAAGGCCGAGGTGGCCCGAGCGCAGGCGGCGCTGGCGGTCAAC
ATCAGCGCAGCGCGGGTCTGCAGGACGTGCTAAGGACCAACCTGGGGCCCAAGGCCACCATGAAGATG
CTCGTTTCTGGCGCTGGAGACATCAAACCTTAAAGACGGCAATGTGCTGCTTACAGAAATGGGCCTT
CATCCTAGAATAATCACTGAAGGATTTGAAGCTGCAAAGGAAAAGGCCCTTCAGTTTTTGAAGAAGTC
AAAGTAAGCAGAGAGATGGACAGGGAACACTTATAGATGTGGCCAGAATCTCTTCGTAAGTT
CATGCTGAACCTGCAGATGTCTTAACAGAGGCTGTAGTGGACTCCATTTTGGCCATTAAGCAAGAT
GAACCTATTGATCTCTTATGATTGAGATCATGGAGATGAAACATAAATCTGAACTGATACAAGCTTA
ATCAGAGGGCTTGTGGTGGACACGGAGCAGGCATCCTGATATGAAGAAAAGGTGGAGGATGCATAC
ATCCTCACTGTAACTGTCATTAGAGTATGAGAAAACAGAAGTGAATTCTGGCTTTTTTACAAGAGT
GCAGAAGAGAGAGAAAACTCGTGAAGCTGAAAGAAAATTCATTGAAGATAGGTTAAAAAATAATA
GAACTGAAAGGAAAGTCTGTGGCGATTCAAGTAAAGGATTTGTTGTTATTAATCAAAAGGGAATTGAC
CCCTTTTCTTAGATGCTCTTCAAAAGAGGCATAGTTGCTCTGCGCAGAGCTAAAAGGAGAAATATG
GAGAGGCTGACTCTTGTGTGGTGGGGTAGCCCTGAATCTTTTACGACCTAAGTCTGACTGCTTG
GGACATGCAGGACTTGTATATGAGTATACATTGGGAGAAGAGAAGTTACCTTTATTGAGAAATGTAAC
AACCTCGTTCTGTACATTATTGATCAAGGACCAAAATAAGCACACACTCACTCAGATCAAGATGCA
GTGAGGGACGGCTTGGGGCTGTCAAAATGCTATTGATGATGGCTGTGTGGTCCAGGTGCTGGTGCC
GTGGAAGTGGCAATGGCAGAAGCCCTGATTAACATAAGCCAGTGAAGGGCAGGGCAGCTTGGA
GTCCAAGCATTGCTGATGCTATTGCTATTATCCCAAGGTTCTTGTGCTCAGAACTCTGGTTTACCTT
CAGGAAACATTAGTTAAATCAAGCAGAATTCAGAAATCAGGTGAGCTTGTGGGTGTGGACCTGAAC
ACAGGTGAGCAATGGTGGCAGCAGAAGTAGGCGTATGGGATAACTATTGTGTAAGAAACAGCTTCTT
CACTCTGCACTGTGATTGCCACCAACATCTCTTGGTTGATGAGATCATGCGAGCTGGAATGCTTCT
CTGAAAGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001009186

**Insert Size:**

1461 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).

**OTI Annotation:**

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001009186.1</u>
<b>RefSeq Size:</b>	2547 bp
<b>RefSeq ORF:</b>	1461 bp
<b>Locus ID:</b>	908
<b>UniProt ID:</b>	<u>P40227</u>
<b>Cytogenetics:</b>	7p11.2
<b>MW:</b>	53.3 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Alternate transcriptional splice variants of this gene, encoding different isoforms, have been characterized. In addition, several pseudogenes of this gene have been located. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform b).</p>