

Product datasheet for **SC119039**

CCT6A (NM_001762) 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	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene sequence for NM_001762 edited
 CTTTTCCTCCGCTGGAGCAGCTATGGCGGCGGTGAAGACCCTGAACCCCAAGGCCGAGGT
 GGCCCGAGCGCAGCGCGCGCTGGCGGTCAACATCAGCGCAGCGCGGGTCTGCAGGACGT
 GCTAAGGACCAACCTGGGGCCCAAGGGCACCATGAAGATGCTCGTTTCTGGCGCTGGAGA
 CATCAAACCTTAAAGACGGCAATGTGCTGCTTACGAAATGCAAATTCAACACCCAAC
 AGCTTCCTTAATAGCAAAGGTAGCAACAGCCCAGGATGATATAACTGGTGATGTTACGAC
 TTCTAATGCTCTAATCATTGGAGAGCTGCTGAAACAGGCGGATCTCTACATTTCTGAAGG
 CCTTCATCCTAGAATAATCACTGAAGGATTGAAGCTGCAAAGGAAAAGGCCCTTCAGTT
 TTTGGAAGAAGTCAAAGTAAGCAGAGAGATGGACAGGGAAACACTTATAGATGTGGCCAG
 AACATCTCTTCGTAATAAGTTCATGCTGAACTGCAGATGTCTTAACAGAGGCTGTAGT
 GGACTCCATTTTGGCCATTAAGCAAGATGAACCTATTGATCTCTTCATGATTGAGAT
 CATGGAGATGAAACATAAATCTGAACTGATACAAGCTTAATCAGAGGGCTTGTGTTTGA
 CCACGGAGCAGGCATCTGATATGAAGAAAAGGGTGGAGGATGCATACATCCTCACTTG
 TAACGTGTCATTAGAGTATGAGAAAACAGAAGTGAATCTGGCTTTTTTACAAGAGTGC
 AGAAGAGAGAGAAAACTCGTGAAGCTGAAAGAAAATTCATTGAAGATAGGGTTAAAAA
 AATAATAGAACTGAAAAGGAAAGTCTGTGGCGATTGAGATAAAGGATTTGTTGTTATTAA
 TCAAAAAGGGAATTGACCCCTTTTCTTAGATGCTCTTTCAAAAGAGGCATAGTCGCTCT
 GCGCAGAGCTAAAAGGAGAAATATGGAGAGGCTGACTCTTGCTGTGGTGGGTAGCCCT
 GAATTTCTTTGACGACCTAAGTCTGACTGCTTGGGACATGCAGGACTTGTATATGAGTA
 TACATTGGGAGAAGAGAAGTTTACCTTTATTGAGAAATGTAACAACCCCTCGTTCTGTAC
 ATTATTGATCAAAGGACCAAATAAGCACACACTCACTCAGTCAAAGATGCAGTGAGGGA
 CGGCTTGAGGGCTGTCAAAATGCTATTGATGATGGCTGTGTGGTCCAGGTGCTGGTGC
 CGTGGAAGTGGCAATGGCAGAGCCCTGATTAACATAAGCCCAAGTGAAGGGCAGGGC
 ACAGCTTGGAGTCCAAGCATTGCTGATGATTGCTCATTATTCCTCAAGTTCTTGCTCA
 GAACTCTGTTTTGACCTTCAGGAAACATTAGTTAAAAATCAAGCAGAACATTGAGATC
 AGGTACAGCTTGTGGGTGTGGACCTGAACACAGGTGAGCCAATGGTGGCAGCAGAAGTAGG
 CGTATGGGATAACTATTGTGTAAAGAAACAGCTTCTTCACTCTGCACTGTGATTGCCAC
 CAACATTCTCTGGTTGATGAGATCATGCGAGCTGGAATGTCTTCTGAAAGGTTGAAT
 TGAAGCTTCTCTGTATCTGAATCTTGAAGACTGCAAAGTATCCTGAGGATTACAGCTG
 TGGAATTTTTGTCCAAGCTTCAAATAATTTTGAAGAAATTTCCCATATGAAAAAGGA
 GAGAACTGGCATCTGTTGAAATTTGGAAGTTCTGAAATTATAGTATTTTTAAAAATTG
 CACTGAAGTGATACACATAAAGCAGGTCTTTATCCAGTGAACAGGATGTTTTGCTTTA
 GCAGCAGTGACATAAAATTCATGTTAGATAAGCATATGTTACTTACCTTGTTATTAAT
 ATTTCTTGAAGCAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_001762 unedited
 GCACGAGGCTTTTCTCCGCTGGAGCAGCTATGGCGGCGGTGAAGACCCTGAACCCCAAG
 GCCGAGGTGGCCCGAGCGCAGCGCGCGCTGGCGGTCAACATCAGCGCAGCGCGGGTCTG
 CAGGACGTGCTAAGGACCAACCTGGGGCCCAAGGGCACCATGAAGATGCTCGTTTCTGGC
 GCTGGAGACATCAAACCTTAAAGACGGCAATGTGCTGCTTACGAAATGCAAATTCAA
 CACCAACAGCTTCTTAAAGCAAGGTAGCAACAGCCAGGATGATATAACTGGTGAT
 GGTACGACTTCTAATGCTCTAATCATTGGAGAGCTGCTGAAACAGGCGGATCTCTACATT
 TCTGAAGGCCTTCATCCTAGAATAATCACTGAAGGATTTGAAGCTGCAAAGGAAAAGGCC
 CTTGAGTTTTTGAAGAAGTCAAAGTAAGCAGAGAGATGGACAGGAAACACTTATAGAT
 GTGGCCAGAACATCTCTCGTACTAAAGTTCATGCTGAACTTGCAGATGTCTTAACAGAG
 GCTGTAGTGGACTCCATTTTGGCCATTAAGCAAGATGAACCTATTGATCTCTTCATG
 ATTGAGATCATGGAGATGAAACATAAATCTGAACTGATACAAGCTTAATCAGAGGGCT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001762 unedited <pre> GCCGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTCAAAAAAT ATTTAATAACAAGGTAAGTAACATATGCTTATCTAACATGGAATTTTATGCTACTGCTGC TAAAGCAAAACATCCTGTTCACTGGATAAAAGACCTGCTTTATGTGTATACACTTCAGTG CAATTTTTAAAAATACTATAATTTCAAGAACTTCCAAATTTCAACAGATGCCAGTGTTCTC TCCTTTTTTTCATATGGGAAAATTTCTTTCAAATTATTTGAAGCTTGGACAAAAATTCCA CAGCTGTAATCCTCAAGATCACTTTGCAGTCTTCAAGATTCAGATACAGAGGAAGCTTCA ATTCACCTTTTCAGAGAAGACATTCCAGCTCGCATGATCTCATCAACCAAGAGAATGTTG GTGGCAATCACAGTGCAGGAGTGAAGAAGCTGTTTCTTACACAATAGTTATCCCATACG CCTACTTCTGCTGCCACCATTTGGCTCACCTGTGTTCAAGTCCACACCCACAAGCTGACCT GATTCTGAATGTTCTGCTTGAATTTTAACTAATGTTTCTGAAAGTCAAACCCAGAGTTC TGAGCAAGAACCTTGGGAATAATGAGCAATGCATCAGCAAAATGCTTGGACTCCAAGCTGT GCCCTGCCCTTTTACACTGAGCTTATGTTTAAATCAAGGCTTCTGCCATTGCCCTTTTCACGC NACAGCACCTGGAACCAACAGNCCTCATCATAGCATTTTTCAGAGCTCAAGCCGCCCTA CTCATCTTGATCTGATGAGTGGTGCTTATGGGCCCTTGATCAATATGTGACAGACGAAG GTTGTACATTCTCATAAAGGAACTCTTTCCCATGGTACTCTTTACAGTCCTGCTGTT CAAGCGTCAGGATTAAGTCGCAAGAATCAAGCTACCCACCAACAGAATCACCTTCTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001762
Insert Size:	2000 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:	The ORF of this clone has been fully sequenced and found to match the reference NM_001762.3 perfectly.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001762.3, NP_001753.1</u>
RefSeq Size:	2682 bp
RefSeq ORF:	1596 bp

Locus ID:	908
UniProt ID:	P40227
Cytogenetics:	7p11.2
Domains:	cpn60_TCPI
Gene Summary:	The protein encoded by this gene is a molecular chaperone that is a member of the chaperonin containing TCPI complex (CCT), also known as the TCPI 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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (α).