OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC116113

TCP1 delta (CCT4) (NM_006430) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP1 delta (CCT4) (NM_006430) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCP1 delta
Synonyms:	CCT-DELTA; Cctd; SRB
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC116113 sequence for NM_006430 edited (data generated by NextGen Sequencing)

ATGCCCGAGAATGTGGCACCCCGGAGCGGGGCGACTGCCGGGGCTGCCGGCGGCCGCGGG
AAAGGCGCCTATCAGGACCGCGACAAGCCAGCCCAGATCCGCTTCAGCAACATTTCCGCC
GCCAAAGCGGTTGCTGATGCTATTAGAACAAGCCTTGGACCAAAAGGAATGGATAAAATG
ATTCAAGATGGAAAAGGTGATGTAACCATTACAAATGATGGTGCTACCATTCTGAAACAA
ATGCAAGTATTACATCCAGCAGCCAGAATGCTGGTGGAGCTGTCTAAGGCTCAAGATATA
GAAGCAGGAGATGGCACCACATCAGTAGTCATCATTGCTGGCTCCCTCTTAGATTCTTGT
ACCAAGCTTCTTCAGAAAGGGATTCATCCAACCATCATTTCTGAGTCATTCCAGAAGGCC
CTGGAAAAGGGCATTGAAATCTTGACTGACATGTCTCGACCTGTGGAACTGAGTGACAGA
GAAACTTTGTTAAATAGTGCAACCACTTCACTGAACTCAAAGGTGGTTTCTCAGTATTCA
AGTCTGCTTTCTCCAATGAGTGTAAATGCAGTGATGAAAGTGATTGACCCAGCCACAGCC
ACCAGTGTAGATCTTAGAGATATTAAAATAGTTAAGAAGCTTGGTGGGACAATTGATGAC
TGTGAGTTGGTGGAAGGGCTGGTTCTCACCCAAAAAGTGTCAAATTCTGGCATAACCAGA
GTTGAAAAGGCCAAGATTGGGCTTATTCAGTTTTGCTTATCTGCTCCCAAAACAGACATG
GATAATCAAATAGTGGTTTCTGACTATGCCCAGATGGACCGAGTGCTGCGAGAAGAGAGA
GCCTATATTTTAAATTTAGTGAAGCAAATTAAAAAAACAGGATGTAATGTCCTTCTCATA
CAGAAATCTATTCTAAGAGATGCTCTTAGTGATCTTGCATTACACTTTCTGAATAAAATG
AAGATCATGGTGATTAAGGATATTGAAAGAGAAGACATTGAATTCATTTGTAAGACAATT
GGAACCAAGCCAGTTGCTCATATTGACCAATTTACTGCTGACATGCTGGGTTCTGCTGAG
TTAGCTGAGGAGGTCAATTTAAATGGTTCTGGCAAACTGCTCAAGATTACAGGCTGTGCC
AGCCCTGGAAAAACAGTTACAATTGTTGTTCGTGGTTCTAACAAACTGGTGATTGAAGAA
GCTGAGCGCTCCATTCATGATGCCCTATGTGTTATTCGTTGTTTAGTGAAGAAGAGGGCT
CTTATTGCAGGAGGTGGTGCTCCAGAAATAGAGTTGGCCCTACGATTAACTGAATATTCA
CGAACACTGAGTGGTATGGAATCCTACTGCGTTCGTGCTTTTGCAGATGCTATGGAGGTC
ATTCCATCTACACTAGCTGAAAATGCCGGCCTGAATCCCATTTCTACAGTAACAGAACTA
AGAAACCGGCATGCCCAGGGAGAAAAAACTGCAGGCATTAATGTCCGAAAGGGTGGTATT
TCCAACATTTTGGAGGAACTGGTTGTCCAGCCTCTGTTGGTATCAGTCAGTGCTCTGACT
CTTGCAACTGAAACTGTTCGGAGCATTCTGAAAATAGATGATGTGGTAAACACTCGATAA

Clone variation with respect to NM_006430.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006430 unedited

CATTTGTATACGACTCACTATAGGGCGGCCGCGAATTCGCACGAGGTGAGGGCTTACCGT
TATTACACTGCGGCCGGCCAGAATCCGGGTCCATCCGTCCTTCCCGAGCCAACCCAGACA
CAGCGGAGTTTGCCATGCCCGAGAATGTGGCACCCCGGAGCGGGGCGACTGCCGGGGCTG
CCGGCGGCCGCGGGAAAGGCGCCTATCAGGACCGCGACAAGCCAGCCCAGATCCGCTTCA
GCAACATTTCCGCCGCCAAAGCGGTTGCTGATGCTATTAGAACAAGCCTTGGACCAAAAG
GAATGGATAAAATGATTCAAGATGGAAAAGGTGATGTAACCATTACAAATGATGGTGCTA
CCATTCTGAAACAAATGCAAGTATTACATCCAGCAGCCAGAATGCTGGTGGAGCTGTCTA
AGGCTCAAGATATAGAAGCAGGAGATGGCACCACATCAGTAGTCATCATTGCTGGCTCCC
TCTTAGATTCTTGTACCAAGCTTCTTCAGAAAGGGATTCATCCAACCATCATTTCTGAGT
CATTCCAGAAGGCCCTGGAAAAGGGCATTGAAATCTTGACTGACATGTCTCGACCTGTGG
AACTGAGTGACAGAGAAACTTTGTTAAATAGTGCAACCACTTCACTGAACTCAAAGGTGG
TTTCTCAGTATTCAAGTCTGCTTTCNTCCATGAGTGTAAATGCAGTGATGAAAGTGATTG
ACCCAGCCCAGCCANCAGGGTAGATCTTAGAGATTTAAAATAGTTAAGAAGCTTGGTGGG
ACAATNGATGACTGNGNANNNTGNTGGGAAGGGCTGGTTTCTCACCCAAAAGTGTCAATT
CTGGCATAACCAGAGTGAAAGGCNNCAGATGGCTNNATTAGNTTNGCTATCTGCC

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_006430 unedited
ACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTCTTTTATTAGTTTTTAT
TAGTTTTTCAAAAGTATCAGAAATAACAGAATGTTGGGAGAAGATAAATCTGCCTTTTGA
AACCAAATATTTAATATTTTCATTAAATTGTTTCAATACAACTTCAGGCAAATGCCAACT
GGAAGACCAAGCCCAGAAATTCAGAGGAAATAATCTTCCAAACAAGGAACACCAAGGTGA
TCTTCTTCCATTCCAGCCACAATACTGGTGATCATAATGGTGCTAGTCAGTTATCCAGAT
TATCGAGTGTTTACCACATCATCTATTTTCAGAATGCTCCGAACAGTTTCAGTTGCAAGA
GTCAGAGCACTGACTGATACCAACAGAGGCTGGACAACCAGTTCCTCCAAAATGTTGGAA
ATACCACCCTTTCGGACATTAATGCCTGCAGTTTTTTCTCCCTGGGCATGCCGGTTTCTT
AGTTCTGTTACTGTAGAAATGGGATTCAGGCCGGCATTTTCAGCTAGTGTAGATGGAATG
ACCTCCATAGCATCTGCAAAAGCACGAACGCAGTAGGATTCCATACCACTCAGTGTTCGT
GAATATTCAGTTAATCGTAGGGCCAACTCTATTTCTGGAGCACCACCTCCTGCAATAAGA
GCCCTCTTCTTCACTAAACAACGAATAACACATAGGGCATCATGATTGGAGCGCTCAGCT
TCTTCAATCACCAGTTTGTTAGAACCACGAACAACAATTGTAACTGTTTTTCCAGGGCCT
GGCACAGCCTGTAATTTTGAGCAGTTTGCCAGAACATTTAATTGACCTTCTCAGCTAACT
CAGCAAACCCACATGTTACCAGTAATGGTCATATGAACAACTGGTTTGTTCCATTG
```

Restriction Sites: NotI-NotI

ACCN: NM_006430

Insert Size: 2050 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_006430.2, NP_006421.2

RefSeq Size: 2349 bp

RefSeq ORF: 1620 bp

Locus ID: 10575

UniProt ID: P50991

Cytogenetics: 2p15

Domains: cpn60_TCP1

Protein Families: Druggable Genome

Gene Summary: The chaperonin containing TCP1 (MIM 186980) complex (CCT), also called the TCP1 ring complex, consists of 2 back-to-back rings, each containing 8 unique but homologous subunits, such as CCT4. CCT assists the folding of newly translated polypeptide substrates through multiple rounds of ATP-driven release and rebinding of partially folded intermediate forms. Substrates of CCT include the cytoskeletal proteins actin (see MIM 102560) and tubulin (see MIM 191130), as well as alpha-transducin (MIM 139330) (Won et al., 1998 [PubMed 9819444]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (a).