

Product datasheet for **SC332451**

TCP1 delta (CCT4) (NM_001256721) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TCP1 delta (CCT4) (NM_001256721) Human Untagged Clone
Tag: Tag Free
Symbol: TCP1 delta
Synonyms: CCT-DELTA; Cctd; SRB
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332451 representing NM_001256721.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCGAGAATGTGGCACCCCGGAGCGGGGCGACTGCCGGGGCTGCCGGCGCCCGGGAAAGGCGCC
TATCAGGACCGGACAAGCCAGCCAGATCCGCTTCAGCAACATTTCCGCCGCAAAGCGGTTGCTGAT
GCTATTAGAACAAGCCTTGGACCAAAAGGAATGGATAAAATGCTGGTGGAGCTGTCTAAGGCTCAAGAT
ATAGAAGCAGGAGATGGCACCACATCAGTAGTCATCATTGCTGGCTCCCTCTTAGATTCTGTACCAAG
CTTCTTCAGAAAGGGATTCAACCAACATATTTCTGAGTCATCCAGAAGGCCCTGGAAAAGGGCATT
GAAATCTTGACTGACATGTCTCGACCTGTGGAAGTGTGACAGAGAACTTTGTAAATAGTGCAACC
ACTTCACTGAACTCAAAGGTGGTTTCTCAGTATCAAGTCTGCTTCTCCAATGAGTGTAATGCAGTG
ATGAAAGTGATTGACCCAGCCACAGCCACAGTGTAGATCTTAGAGATATTAATAAGTTAAGAAGCTT
GGTGGGACAATTGATGACTGTGAGTTGGTGAAGGGCTGGTTCTCACCAAAAAGTGTCAAATCTGGC
ATAACCAGAGTTGAAAAGGCCAAGATTGGGCTTATTCAGTTTTGCTTATCTGCTCCCAAAACAGACATG
GATAATCAAATAGTGGTTTCTGACTATGCCAGATGGACCGAGTGTGCGAGAAGAGAGAGCCTATATT
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AGAGAAGACATTGAATTCATTTGTAAGACAATTGGAACCAAGCCAGTTGCTCATATTGACCAATTTACT
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AATGCCCGCTGAATCCCATTTCTACAGTAACAGAACTAAGAAACCGGCATGCCAGGGAGAAAAAAT
GCAGGCATTAATGTCGAAAGGGTGGTATTTCCAACATTTGGAGGAAGTGGTTGTCAGCCTCTGTTG
GTATCAGTCAGTCTGACTCTTGCAACTGAACTGTTGCGAGCATTCTGAAAATAGATGATGTGGTA
AACACTCGATAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256721
Insert Size: 1530 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_001256721.1</u>
RefSeq Size:	2262 bp
RefSeq ORF:	1530 bp
Locus ID:	10575
UniProt ID:	<u>P50991</u>
Cytogenetics:	2p15
Protein Families:	Druggable Genome
MW:	54.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant. It encodes isoform b which is shorter than isoform a.</p>