

Product datasheet for **SC123798**

TCP1 alpha (TCP1) (BC000665) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP1 alpha (TCP1) (BC000665) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCP1 alpha
Synonyms:	CCT-alpha; CCT1; CCTa; D6S230E; TCP-1-alpha
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC000665 edited
 GCACGAGGCGCTCGGGTACGCTCCACGCCGTCGCAGCCACTGCTGTGGTCGCCGGTCCGGC
 CGAGGGGCCGCGATACTGGTTGCCCGCGGTGTAAGCAGAATTCGACGTGTATCGCTGCCG
 TCAAGATGGAGGGGCCTTTGTCGGTGTTCGGTGACCGCAGCACTGGGGAAACGATCCGCT
 CCCAAAACGTTATGGCTGCAGCTTCGATTGCCAATATTGTA AAAAGTTCTCTTGGTCCAG
 TTGGCTTGGATAAAATGTTGGTGGATGATATTGGTGATGTAACCACTACTAACGATGGTG
 CAACCATCCTGAAGTTACTGGAGGTAGAACAATCCTGCAGCTAAAGTTCTTTGTGAGCTGG
 CTGATCTGCAAGACAAAAGAAGTTGGAGATGGAACACTTTCAGTGGTTATTATTGCAGCAG
 AACTCCTAAAAATGCAGATGAATTAGTCAAACAGAAAATTCATCCCACATCAGTTATTA
 GTGGCTATCGACTTGCTTGAAGGAAGCAGTGCCTTATATCAATGAAAACCTAATTGTTA
 ACACAGATGAACTGGGAAGAGATTGCCTGATTAATGCTGCTAAGACATCCATGCTTCCA
 AAATCATTGGAATAAATGGTGATTTCTTTGCTAACATGGTAGTAGATGCTGTACTTGCTA
 TTAATAACACAGACATAAGAGGCCAGCCAGCTATCCAGTCAACTCTGTTAATATTTTGA
 AAGCCCATGGGAGAAGTCAAATGGAGAGTATGCTCATCAGTGGCTATGCACTCAACTGTG
 TGGTGGGATCCCAGGGCATGCCAAGAGAATCGTAAATGCAAAAATTTGCTTGCTTGACT
 TCAGCCTGCAAAAAACAAAATGAAGCTTGGTGTACAGGTGGTCAATTACAGACCCTGAAA
 AACTGGACCAAATTAGACAGAGAGAATCAGATATCACCAAGGAGAGAATTCAGAAGATCC
 TGGCAACTGGTGCCAATGTTATTCTAACCCTGGTGAATTGATGATATGTGTCTGAAGT
 ATTTTGTGGAGGCTGGTCTATGGCAGTTAGAAGTTTTAAAAAGGGACCTTAAACGCA
 TTGCCAAAGCTTCTGGAGCAACTATTCTGTCAACCCTGGCCAATTTGGAAGGTGAAGAAA
 CTTTTGAAGCTGCAATGTTGGGACAGGCAGAAGAAGTGGTACAGGAGAGAATTTGTGATG
 ATGAGCTGATCTTAATCAAAAATACTAAGGCTCGTACGCTGTCATCGATTATCTTACGTG
 GGGCAAATGATTTTCATGTGTGATGAGATGGAGCGCTCTTTACATGATGCATTTGTGTAG
 TGAAGAGAGTTTTGGAGTCAAAAATCTGTGGTTCCCGGTGGGGGTGCTGTAGAAGCAGCCC
 TTTCCATATACCTTGA AAACTATGCAACCAAGCATGGGGTCTCGGGAACAGCTTGCGATTG
 CAGAGTTTGAAGATCACTTCTTGTATTCCCAATACACTAGCAGTTAATGCTGCCCAGG
 ACTCCACAGATCTGGTTGCAAAAATTAAGAGCTTTTCATAATGAGGCCAGGTTAACCCAG
 AACGTA AAAATCTAAAATGGATTGGTCTTGATTTGAGCAATGGTAAACCTCGAGACAACA
 AACAGCAGGGGTGTTTGAACCAACCATAGTTAAAGTTAAGAGTTTGAATTTGCAACAG
 AAGCTGCAATCACCATTCTCGAATTGATGATCTTATTAATACATCCAGAAAGTAAAG
 ATGATAAATGGAAGTTATGAAGATGCTTCACTCTGGAGCCCTTAATGATTGATCTG
 ATGTTCCCTTTTATTTATAACAATGTTAAATGCAATTGTCTTGTACCTTGAGTTGAGTATT
 ACACATTAAGTAAAGTACAAGCTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC000665 unedited
 NNGGTAACGTCAAAAATTTGTATACGACTCACTATAGCGCGCCGAATCGACGTGTATCG
 CTGCCGTCAAGATGGAGGGCCCTTTGTCGGTGTTCGGTGACCGCAGCACTGGGAAACGA
 TCCGCTCCAAAACGTTATGGCTGCAGCTTCGATTGCCAATATTGTA AAAAGTTCTCTTG
 GTCCAGTTGGCTTGGATAAAATGTTGGTGGATGATATTGGTGATGTAACCATACTAACG
 ATGGTGAACCATCCTGAAGTTACTGGAGGTAGAACAATCCTGCAGCTAAAGTTCTTTGTG
 AGCTGGCTGATCTGCAAGACAAAAGTTGGAGATGGAACACTTCAGTGGTTATTATTG
 CAGCAGAACTCTAAAAATGCAGATGAATTAGTCAAACAGAAAATTCATCCCACATCAG
 TTATTAGTGGCTATCGACTTGCTTGAAGGAAGCAGTGCCTTATATCAATGAAAACCTAA
 TTGTTAACACAGATGAACTGGGAAGAGATTGCCTGATTAATGCTGCTAAGACATCCATGT
 CTTCCAAAATCATTGGAATAAATGGTGATTTCTTTGCTAACATGGTAGTAGATGCTGTAC
 TTGCTATTAATACACAGACATAAGAGGCCAGCCAGCTATCCAGTCAACTCTGTTAATA
 TTTTGAAGCCCATGGGAGAAGTCAAATGGAGAGTATGCTCATCAGTGGCTATGCACTCA
 ACTGTGTGGTGGGATCCCAGGGCATGCCAAGAGAATCGTANATGCAAAAATGCTTGCC
 TTGACTTCAGCCTGCAAAAAACAAAAGAAGCTTGGTGTACAGGTGGGTCAATTACAGAAC
 CCTGAAAACCTGGACCAATTAGACG

Restriction Sites: Please inquire

ACCN:	BC000665
Insert Size:	1919 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:	<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:	BC000665.1 , AAH00665.1
RefSeq Size:	1919 bp
Locus ID:	6950
Cytogenetics:	6q25.3
Gene Summary:	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, three pseudogenes that appear to be derived from this gene have been found. [provided by RefSeq, Jun 2010]