

## Product datasheet for **RC238568**

### TCP1 theta (CCT8) (NM\_001282908) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCP1 theta (CCT8) (NM_001282908) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCT8
Synonyms:	C21orf112; Cctq; D21S246; PRED71
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RC238568 representing NM\_001282908  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACAAAATGGTTATCAACCACTTGGAGAAGTTGTTTGTGACAAACGATGCAGCAACTATTTTAAAGAG  
 AACTAGAAGTACAGCATCCTGCTGCAAAAATGATTGTAATGGCTTCTCATATGCAAGAGCAAGAAGTTGG  
 AGATGGCACAAAATTTGTTCTGGTATTTGCTGGAGCTCTCCTGGAATTAGCTGAAGAAGCTCTGAGGATT  
 GGCCTGTCAGTTTCAGAGGTCATAGAAGTTATGAAATAGCCTGCAGAAAAGCTCATGAGATTCTTCCTA  
 ATTTGGTATGTTGTTCTGCAAAAACCTTCGAGATATTGATGAAGTCTCATCTCTACTTCGTACCTCCAT  
 AATGAGTAAACAATATGGTAATGAAGTATTTCTGGCCAAGCTTATTGCTCAGGCATGCGTATCTATTTTT  
 CCTGATTCGGCCATTTCAATGTTGATAACATCAGAGTTTGTAAAATTCTGGGCTCTGGTATCAGTTCCT  
 CTTCAAGTATTGCATGGCATGGTTTTTAAAGAAAGAAACCGAAGGTGATGTAACATCTGTCAAAGATGCAA  
 AATAGCAGTGTACTCTTGTCTTTTGTATGGCATGATAACAGAACTAAGGGAACAGTGTGATAAAGACT  
 GCTGAAGAATTGATGAATTTTAGTAAGGAGAAGAAAACCTCATGGATGCACAAGTCAAAGCTATTGCTG  
 ATACTGGTGCAAATGTCGTAGTAACAGGTGGCAAAGTGGCAGACATGGCTCTTCATTATGCAAAATAATA  
 TAATATCATGTTAGTGAGGCTAAACTCAAAATGGGATCTCCGAAGACTTTGTAAACTGTTGGTGCTACA  
 GCTCTTCTAGATTGACACCTCTGTCCTTGAAGAAATGGGACACTGTGACAGTGTTTACCTCTCAGAAG  
 TTGGAGATACTCAGGTGGTGGTTTTAAGCATGAAAAGGAAGATGGGCCATTTCTACCATAGTACTTCG  
 AGGCTCTACAGACAATCTGATGGATGACATAGAAAAGGCAAGTACAGCATGGTGTAACTTTCAAAGTT  
 CTTACAAGGATAAACGTCCTGTACCCGGAGGTGGAGCAACAGAAATTGAATTAGCCAAACAGATCACAT  
 CATATGGAGAGACATGTCCTGGACTTGAACAGTATGCTATTAAGAAGTTTGTGAGGCATTTGAAGCTAT  
 TCCCCCGCACTGGCAGAAAACCTGGAGTTAAGGCCAATGAAGTAATCTCTAAACTTTATGCAGTACAT  
 CAAGAAGGAAATAAAAACGTTGGATTAGATATTGAGGCTGAAGTCCCTGCTGTAAGGACATGCTGGAAG  
 CTGGTATTCTAGATACTTACCTGGGAAAATATTGGGCTATCAAACCTCGCTACTAATGCTGCAGTCACTGT  
 ACTTAGAGTGGATCAGATCATCATGGCAAAACAGCTGGTGGGCCAAGCCTCCAAGTGGGAAGAAAGAC  
 TGGGATGATGACCAAAATGAT

**ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RC238568 representing NM\_001282908  
 Red=Cloning site Green=Tags(s)

MNKMVINHLEKLFVTNDAATILRELEVQHPAAKMIVMASHMQEQEVGDGTFVLFVAGALLEAEELLRI  
 GLSVSEVIEGYEIACRKAHEILPNLVCCSAKNLRDIDEVSSLLRTSIMSKQYGNVFLAKLIAQACVSIF  
 PDSGHFNVDNIRVCKILGSGISSSSVLHGMVFKKETEGDVTSVKDAKIAVYSCPFDMITETKGTVLIKT  
 AEELMNF SKGEENLMDAQVKAIADTGANVVVTGGKVADMALHYANKYNIMLVR LNSKWDLRRLCKTVGAT  
 ALPRLTPPVLEEMGHCDVSVYLSEVGDQVVFVKHEKEDGAISTIVLRGSTDNLMDIERAVDDGVNTFKV  
 LTRDKRLVPGGATEIELAKQITSYGETCPGLEQYAIKKFAEAFEAI PRALAENSGVKANEVISKLYAVH  
 QEGNKVGLDIEAEVPAVKDMLEAGILDITYLGKYWAIKLATNAAVTVLRVDQIIMAKPAGGPKPPSGKKD  
 WDDQND

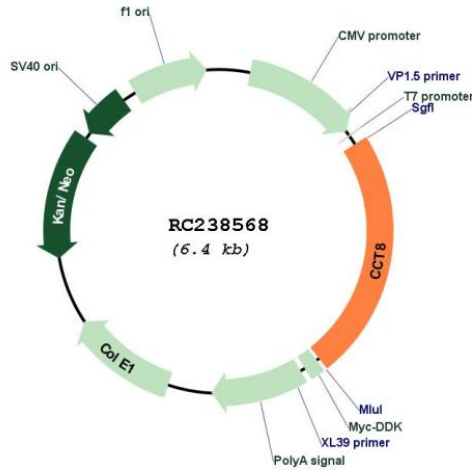
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-MluI



Plasmid Map:



ACCN: NM\_001282908

ORF Size: 1491 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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>RefSeq:</b>	<u><a href="#">NM_001282908.1</a></u> , <u><a href="#">NP_001269837.1</a></u>
<b>RefSeq Size:</b>	2032 bp
<b>RefSeq ORF:</b>	1494 bp
<b>Locus ID:</b>	10694
<b>Cytogenetics:</b>	21q21.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	54.6 kDa
<b>Gene Summary:</b>	This gene encodes the theta subunit of the CCT chaperonin, which is abundant in the eukaryotic cytosol and may be involved in the transport and assembly of newly synthesized proteins. Alternative splicing results in multiple transcript variants of this gene. A pseudogene related to this gene is located on chromosome 1. [provided by RefSeq, Sep 2013]