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Product datasheet for SC336630

TCP1 theta (CCT8) (NM_001282907) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP1 theta (CCT8) (NM_001282907) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCT8
Synonyms:	C21orf112; Cctq; D21S246; PRED71
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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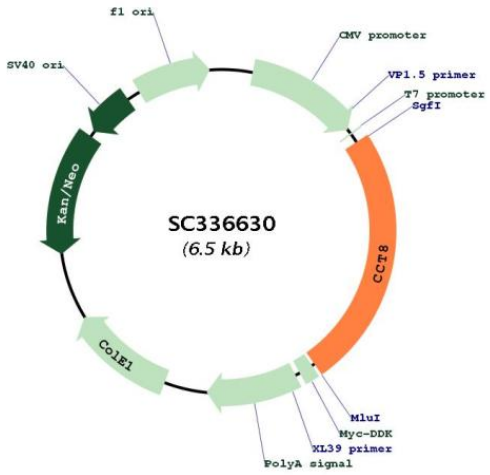
Fully Sequenced ORF:

>SC336630 representing NM_001282907.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACTTTTCAGGATTAGAAGAGGCTGTGTATAGAAACATACAAGCTTGCAAGGAGCTTGCCCAAACC
ACTCGTACAGCATATGGACCAAATGGAATGAACAAAATGGTTATCAACCACTTGGAGAAGTTGTTTGTG
ACAAACGATGCAGCAACTATTTTAAGAGAACTAGAAGTACAGCATCCTGCTGCAAAAATGATTGTAATG
GCTTCTCATATGCAAGAGCAAGAAGTTGGAGATGGCACAAACTTTGTTCTGGTATTTGCTGGAGCTCTC
CTGGAATTAGCTGAAGAACTTCTGAGGATTGGCCTGTCAGTTTCAGAGGTCATAGAAGGTTATGAAATA
GCCTGCAGAAAAGCTCATGAGATTCTTCCTAATTTGGTATGTTGTTCTGCAAAAAACCTTCGAGATATT
GATGAAGTCTCATCTCTACTTCGTACCTCCATAATGAGTAAACAATATGGTAATGAAGTATTTCTGGCC
AAGCTTATTGCTCAGGCATGCGTATCTATTTTTCCTGATTCCGGCCATTTCAATGTTGATAACATCAGA
GTTTGTAAAATTCTGGGCTCTGGTATCAGTTCCTCTTCAGTATTGCATGGCATGGTTTTTAAGAAGGAA
ACCGAAGGTGATGTAACATCTGTCAAAGATGCAAAAATAGCAGTGTACTCTTGTCCTTTTGATGGCATG
ATAACAGAAACTAAGGGAACAGTGTTGATAAAGACTGCTGAAGAATTGATGAATTTTAGTAAGGGAGAA
GAAAACCTCATGGATGCACAAGTCAAAGCTATTGCTGATACTGGTGCAAATGTCGTAGTAACAGGTGGC
AAAGTGGCAGACATGGCTCTTCATTATGCAAATAAATATAATATCATGTTAGTGAGGCTAAACTCAAAA
TGGGATCTCCGAAGACTTTGTAAAACTGTTGGTGCTACAGCTCTTCCTAGATTGACACCTCCTGTCCTT
GAAGAAATGGGACACTGTGACAGTGTTTACCTCTCAGAAGTTGGAGATACTCAGGTGGTGGTTTTTAAG
CATGAAAAGGAAGATGGCGCCATTTCTACCATAGTACTTCGAGGCTCTACAGACAATCTGATGGATGAC
ATAGAAAGGGCAGTAGACGATGGTGTTAATACTTTCAAAGTTCTTACAAGGGATAAACGTCTTGTACCC
GGAGGTGGAGCAACAGAAATTGAATTAGCCAAACAGATCACATCATATGGAGAGACATGTCCTGGACTT
GAACAGTATGCTATTAAGAAGTTTGCTGAGGCATTTGAAGCTATTCCCCGCGCACTGGCAGAAAACTCT
GGAGTTAAGGCCAATGAAGTAATCTCTAAACTTTATGCAGTACATCAAGAAGGAAATAAAAACGTTGGA
TTAGATATTGAGGCTGAAGTCCCTGCTGTAAAGGACATGCTGGAAGCTGGTATTCTAGATACTTACCTG
GGAAAATATTGGGCTATCAAACTCGCTACTAATGCTGCAGTCACTGTACTTAGAGTGGATCAGATCATC
ATGGCAAAACCAGCTGGTGGGCCCAAGCCTCCAAGTGGGAAGAAAGACTGGGATGATGACCAAAATGAT
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001282907
Insert Size:	1590 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_001282907.1
RefSeq Size:	2315 bp
RefSeq ORF:	1590 bp
Locus ID:	10694
UniProt ID:	P50990
Cytogenetics:	21q21.3
Protein Families:	Druggable Genome
MW:	57.6 kDa
Gene Summary:	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] Transcript Variant: This variant (2) uses an alternate splice site and contains an alternate exon in the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform 2 which has a shorter and distinct N-terminus compared to isoform 1.