

Product datasheet for **MC228088**

Tcp1 (NM_001290712) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcp1 (NM_001290712) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tcp1
Synonyms:	A1528772; c-cpn; CCT; Cct1; Ccta; p63; Tcp-1; Tp63; TRic
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228088 representing NM_001290712
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTAACCATTACTAACGATGGTGCCACCATCCTGAAGTTACTGGAGGTAGAACATCCCGCAGCCA
 AAGTTCTGTGTGAGCTGGCTGACCTGCAAGACAAAGAAGTTGGAGATGGAACCTCAGTGGTAATCAT
 TGCAGCGGAGCTTCTGAAAAATGCAGATGAGCTAGTCAAACAGAAAATTCATCCAACATCAGTTATTAGT
 GGCTATCGTCTTGCTGCAAGGAAGCGGTGCGTTATATCAATGAGAACCTGATTATTAACACAGACGAAC
 TTGGAAGAGACTGTCTGATCAATGCTGCTAAGACATCCATGTCATCCAAAATTATTGGAATAAATGGTGA
 TTACTTTGCTAATATGGTAGTAGATGCTGTGCTTGTGTTAAATACACAGATGCCAGAGGCCAGCCTCGC
 TATCCAGTCAATTCTGTTAATATTCTGAAAGCCCATGGGAGAAGTCAGATAGAAAGCATGCTGATCAATG
 GCTATGCGCTCAATTGTGTGGTTGGATCTCAGGGCATGCCAAGAGAATAGTTAATGCAAAAATTGCTTG
 TCTTGACTTCAGCTGCAGAAAACAAAAATGAAGCTTGGTGTACAGGTGGTTATTACAGACCCTGAGAAA
 TTGGACCAAATTAGACAGAGAGAATCGGATATCACCAGGAGAGAATTCAGAAGATCCTGGCAACTGGTG
 CCAATGTTATTCTAACCACTGGTGGCATTGATGATATGTATCTCAAGTATTTTGTGGAAGCTGGTGCCAT
 GGCTGTTAGGAGAGTTTTAAAACGAGACCTGAAGCATGTTGCAAAAGCTTCTGGAGCAAGTATCCTGTCT
 ACGCTGGCCAATTTGGAAGGCGAAGAACTTTTGAAGTGACGATGTTGGGACAAGCGGAAGAGGTCGTAC
 AGGAGAGAATTTGTGATGATGAGCTGATCTTAATCAAAAATACTAAGGCTCGTACATCTGCTTCAATCAT
 CTTACGAGGAGCAAAATGATTTTCAATGTGTGATGAAATGGAGCGCTTTTACATGATGCTCTTTGTGTGGT
 AAGAGAGTTTTGGAGTTGAAATCTGTGGTCCCAGGTGGAGGTGCTGTAGAAGCTGCCCTGCCATATACC
 TGGAAAACATGCAACAAGCATGGGATCTCGGGAACAGCTTGCTATTGCAGAGTTTCAAGATCTGTGCT
 TGTGATTCTTAATACACTGGCAGTGAATGCTGCCAGGACTCCACCGACCTGGTTGCCAAGTTAAGAGCT
 TTTCAATGAGGCTCAAGTGAACCCGGAACGTAATAAATCTAAAGTGGATTGGTCTTGATTGGTCCATG
 GGAAACCACGAGACAACAAGCAAGCAGGGGTGTTTGAACCAACCATAGTTAAAGTGAAGAGCCTGAAGTT
 CGCAACAGAGGCTGCAATCACCATCCTTCGGATTGATGATCTGATAAAAATTACACCCAGAAAGCAAAAGAC
 GATAAACACGGAAGTTATGAAAATGCTGTTCACTCTGGAGCCCTTGATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001290712

Insert Size: 1524 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001290712.1](#), [NP_001277641.1](#)

RefSeq Size: 2413 bp

RefSeq ORF: 1524 bp

Locus ID: 21454

UniProt ID: [P11983](#)

Cytogenetics: 17 8.72 cM

Gene Summary: Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis. The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance. As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. The TRiC complex plays a role in the folding of actin and tubulin.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate exon in the 5' coding region and initiates translation at an alternate start codon compared to variant 1. The encoded protein (isoform 2) has a distinct N-terminus and is shorter than isoform 1.