

Product datasheet for **MC218964**

Tcp1 (NM_013686) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcp1 (NM_013686) 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: >MC218964 representing NM_013686
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGTCTTTGTCCGTGTTCTGGGACCCGAGCACTGGGAGGCGGTCCGCTCCAGAATGTTATGG
 CTGCAGCTTCTATTGCCAACATTGTTAAAAGTTCTTTGGGCCAGTTGGCTTGGATAAAAATGTTGGTGGA
 TGATATTGGTGATGTAACCATTACTAACGATGGTGCCACCATCCTGAAGTTACTGGAGGTAGAACATCCC
 GCAGCCAAAGTTCTGTGTGAGCTGGCTGACCTGCAAGACAAGAAGTTGGAGATGGAACCTACCTCAGTGG
 TAATCATTGCAGCGGAGCTTCTGAAAAATGCAGATGAGCTAGTCAAACAGAAAATTCATCCAACATCAGT
 TATTAGTGGCTATCGTCTGCCTGCAAGGAAGCGGTGCGTTATATCAATGAGAACCTGATTATTAACACA
 GACGAACCTGGAAGAGACTGTCTGATCAATGCTGCTAAGACATCCATGTCATCCAAAATTATTGGAATAA
 ATGGTGATTACTTTGCTAATATGGTAGTAGATGCTGTGCTTGGCTGTTAAATACACAGATGCCAGAGGCCA
 GCCTCGCTATCCAGTCAATTCTGTTAATATTCTGAAAGCCCATGGGAGAAGTCAGATAGAAAGCATGCTG
 ATCAATGGCTATCGCTCAATTGTGTGGTTGGATCTCAGGGCATGCCCAAGAGAATAGTTAATGCAAAAA
 TTGCTTGTCTTGACTTCAGCCTGCAGAAAAACAAAATGAAGCTTGGTGTACAGGTGGTTATTACAGACCC
 TGAGAAATGGACCAAATTAGACAGAGAGAATCGGATATCACCAAGGAGAGAATTCAGAAGATCCTGGCA
 ACTGGTGCCAATGTTATTCTAACCACTGGTGCCATTGATGATATGTATCTCAAGTATTTTGTGGAAGCTG
 GTGCCATGGCTGTTAGGAGAGTTTTAAAACGAGACCTGAAGCATGTTGCAAAAAGCTTCTGGAGCAAGTAT
 CCTGTCTACGCTGGCCAAATTTGGAAGCGAAGAACTTTTGAAGTGACGATGTTGGGACAAGCGGAAGAG
 GTCGTACAGGAGAGAATTTGTGATGATGAGCTGATCTTAATCAAAAATACTAAGGCTCGTACATCTGCTT
 CAATCATCTTACGAGGAGCAAATGATTTTCATGTGTGATGAAATGGAGCGCTCTTTACATAGTCTCTTTG
 TGTGGTGAAGAGAGTTTTGGAGTTGAAATCTGTGGTCCCAGGTGGAGGTGCTGTAGAAGCTGCCCTGTCC
 ATATACCTGGA AAACTATGCAACAAGCATGGGATCTCGGGAACAGCTTGCTATTGCAGAGTTTGCAAGAT
 CTCTGCTTGTGATTCCTAATACTGGCAGTGAATGCTGCCAGGACTCCACCGACTGGTTGCCAAGTT
 AAGAGCTTTTCACAATGAGGCTCAAGTGAACCCGGAACGTAAAAATCTAAAGTGGATTGGTCTTGATTTG
 GTCCATGGGAAACCACGAGACAACAAGCAAGCAGGGGTGTTTGAACCAACCATAGTTAAAGTGAAGAGCC
 TGAAGTTCGCAACAGAGGCTGCAATCACCATCCTCGGATTGATGATCTGATAAAAATTACACCCAGAAAG
 CAAAGACGATAAACACGGAAGTTATGAAAATGCTGTTCACTCTGGAGCCCTTGATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_013686

Insert Size: 1671 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_013686.4](#), [NP_038714.2](#)

RefSeq Size: 2499 bp

RefSeq ORF: 1671 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 (1) represents the longer transcript and encodes the longer protein (isoform 1).