

Product datasheet for **RN201187**

Tcp1 (NM_012670) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcp1 (NM_012670) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tcp1
Synonyms:	CCTalpha; Tcp-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201187 representing NM_012670
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGGTCTTTGTCCGTGTTGCGGGACCCGAGCACTGGGAAGCGATCCGCTCCAGAACGTTATGG
 CTGCAGCCTCTATTGCCAACATTGTTAAAAGTTCTCTGGGCCAGTTGGCTTGGATAAAATGTTGGTGGA
 TGATATTGGTGATGTAACATACTAATGATGGGGCCACCATTCTGAAATTATTGGAGGTGGAACATCCT
 GCAGCCAAAGTTCTGTGGAAGTGGCTGACCTGCAAGACAAGAAGTTGGAGATGGAACACCTCAGTGG
 TAATCATTGCAGCGGAGCTTCTGAAAAATGCTGATGAGCTAGTCAAGCAGAAAAATTCATCCGACATCAGT
 TATTAGTGGCTATCGTCTGCCTGCAAGGAAGCAGTGGCATATATCAATGAGAACCTAATTATCAACACA
 GACGAAGTGGAAAGAGACTGTCTGATCAATGCTGCTAAGACATCCATGTCTTCCAAAATTATTGGAATAA
 ATGGTGATTTCTCGCTAATATGGTGGTAGACGCTGTGCTTGGCTGTTAAATACACAGATACGAGGCCA
 GCCTCGCTATCCAGTCAATTCTGTTAATATTCTAAAAGCCACGGGAGAAGTCAGATAGAAAGCATGCTG
 ATCAATGGCTATGCACTCAACTGTGTGGTTGGATCTCAGGGCATGCTCAAGAGAAATAGTTAATGCAAAAA
 TTGCTTGTCTTGACTTCAGCCTGCAGAAAAACAAAATGAAGCTTGGTGTACAGGTGGTTATTACAGACCC
 TGAGAACTGGACCAGATTAGACAGAGAGAATCCGATATCACCAAGGAGAGAATTCAGAAGATCCTGGCA
 ACTGGTGCCAACGTTATTCTAACACCAGTGGGATTGATGACATGTGTCTGAAGTATTTTGTGGAAGCTG
 GTGCCATGGCTGTAGGAGAGTTTTAAAAGAGACCTCAAACGATTGCAAAAAGCTTCTGGAGCAAGTAT
 CCTGTCTACACTGGCCAAATTTGGAAGGTGAAGAGACTTTTGGGCAACAATGTTGGGACAAGCGGAAGAG
 GTCGTACAGGAGAGGATTTGTGACGATGAGCTGATCTTAATCAAAAATACTAAGGCTCGTACGTCAGCTT
 CAATTATCTTACGAGGGCAAACGACTTCATGTGTGATGAAATGGAACGCTCCTTACATGACGCTTTTG
 TGTGGTGAAGAGAGTTTTGGAGTCAAAGTCTGTGGTCCCAGGTGGAGGTGCTGTAGAAGCGGCCTTGCT
 ATATACCTTGAAAATATGCGACCAAGTATGGGATCTCGGGAACAGCTTGCTATTGCAGAGTTTGCAAGAT
 CTCTGCTTGTGATTCCTAATACACTGGCAGTGAATGCTGCCCAAGACTCCACTGACCTGGTTGCCAAGT
 AAGAGCTTTTCACAATGAGGCTCAAGTTAACCCAGAACGTAATAAAGTGGATTGGTCTTGATTTG
 GTCCATGGGAAACCACGAGACAATAAGCAAGCGGGGTGTTTGAACCAACCATAGTTAAAGTAAAGAGCC
 TGAAGTTTGCAACAGAGGCTGCAATCACCATACTCGGATTGATGATCTGATAAAATTACACCCAGAAAG
 CAAAGACGACAAACACGGAGTTATGAAAATGCTGTTCACTCTGGAGCCCTTGATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_012670
- 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_012670.1](#), [NP_036802.1](#)

RefSeq Size: 1831 bp

RefSeq ORF: 1671 bp

Locus ID: 24818

UniProt ID: [P28480](#)

Cytogenetics: 1q11

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]