

Product datasheet for **SC316007**

PTOP (ACD) (NM_001082486) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTOP (ACD) (NM_001082486) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTOP
Synonyms:	PIP1; PTOP; TINT1; TPP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001082486 edited
 AAGGAAGTACCATTTATTTAGCGCTGTGTGTGTGCTCTTATTTTCCACTGGCCTTACAAGA
 CCGTGCCTGTGTAGATGAGGAACTGAGTCATAATAAATATGTGCTGAACCGTTCGGGG
 GTCACACGGTGTGAAATGGTTTCGAGTCAACTCGCTCGGACGGCACTCGGCCTCAGCCT
 CCGGCCCTGGAACCTCTCCAGGGACGGGACCAGCCCTTGTCTGTTCCCTACCGGTACC
 ACAGGAATCTTGACGAACGGCCAAATGCCTGGCCGTGTGAGTGCAGAGTGACGCCGATGAG
 AGTAAACGGGCCAGCATCCCGTGCACCAGCGGGGTGGACCAGCGGGAGTGTGCACACAGG
 CCCCCGAGCAGGACGCCCTCGTGCAGGCGCGGGGTGTACGTGGCGGGGCCTCCTCCT
 CCGGCCCGCCAGCAAGGAGCTTCTCTTCCGAGGAAAGCGGGCCTGGGCGCCCGC
 GGGAAACCGGGCCGTTGCATCCGCTGGGTGTAGCCGTGGGATGGCAGGTTCCGGGAG
 GCTGGTCTACGGCCCTGGATTCCGGAGCTGATTCTGGGGTCCAGAGACCCCTCCAGTCC
 ACGAGCCGGGACGCTGCTTGGTACTACAGGACGCCGAGGCCGCGGTCCGGGGCCATC
 CCACGCCCTGATACGTCCGACGTCCGGGCCACGCTGCTGTGTCTGACGGGACCCACAG
 TGTCGGATGCCTGGTACGCGGGAGGCCCTGGACACCTCGGACTGGGAGGAGAAGGAGTT
 CGGCTTCCGCGGGACAGAGGGCCGGCTGCTGCTGTCAGGACTCGGGGTTTCATGTCCA
 GGTGCTGAGGGCGGCGCCCGCAGAGTTCTATCTCCAGGTGGACCGCTTCAGCCTGCT
 GCCACGGAGCAGCCCCGGCTACGGGTGCCTGGTTGCAACCAAGACTTAGATGTTCAAGAA
 AAAGCTCTATGACTGCCTTGAGGAGCACCTTTCAGAGTCCACCTCGTCCAATGCAGGCCT
 ATCACTGTCCCAGCTTCTGGATGAAATGCGGGAGGACCAGGAGCATCAGGGGGCACTCGT
 GTGCTGGCTGAAAGCTGCCTGACACTGGAGGGCCCTTGACACAGACCCCTGTCAACCA
 CTGGGCTGCCTCACGATGCAAGGCCACGGGAGAAGCTGTGTACACTGTCCCAGCTCAAT
 GCTGTGCATCTCTGAGAATGACCAGCTAATTCTGAGCTCTTAGGCCCTGTGACAGGAC
 ACAGGGCCCTGAGCTGCCCCACCAGACCCGGCTCTGCAGGACCTATCTGACCCCTCAT
 AGCCTCTCCTCCTCCTCACCCAGTTCCCTCAGGAACCCCGCCTTACCCGGCCACATGTC
 ATCCGAGGAAAGTGGTACCAGCATCAGCCTTCTGCCTGCCTGTCTTGGCTGCTCCAGA
 CCCAGGGCAGAGAAGCAGCTCCCAGCCCTCACCAGCCATCTGCTCAGCCCTGCCACCCT
 GACCCCGAGTCCCACACGCCAGCCGTACCCCGAGCTCCCACTCCAGAGCTGCACTCC
 CAGTCTCTACCCCGTAGCCATGTCCCAGTCCACACCAGGCTCTTGTGACCAGGCCCA
 GAAACCTAGCCTGGAGTTCAAGGAGTTTGTAGGGTTGCCCTGCAAGAATCGGCCGCTTT
 TCCCAGGACCGGAGCTACCAGGGGAGCCAGGAGCCCTGCTGTCTGGGAACCCCCAAA
 GAGGCATCGTGATGGTTCTGCCTCCAGTATGAGTATGAGCCACCCTGCACGTCCCTCTG
 TGCTCGGGTCCAAGCTGCCAGGCTTCTCCCGAGCTCATGGCCTGGGCTTGCACCTTCT
 GATGGATGCACAGCCAGGCTCTGAGCAACTCCGATGTGAGACGTACCGAGGACAGATA
 CCGCTCCACACTGCTTCTTTGAGTTTTTAATAAAATAATCTCATGCGGCAAAAAA
 AAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001082486
- Insert Size:** 2000 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:** The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001082486.1.
- 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_001082486.1](#), [NP_001075955.1](#)

RefSeq Size: 2095 bp

RefSeq ORF: 1635 bp

Locus ID: 65057

UniProt ID: [Q96AP0](#)

Cytogenetics: 16q22.1

Gene Summary: This gene encodes a protein that is involved in telomere function. This protein is one of six core proteins in the telosome/shelterin telomeric complex, which functions to maintain telomere length and to protect telomere ends. Through its interaction with other components, this protein plays a key role in the assembly and stabilization of this complex, and it mediates the access of telomerase to the telomere. Multiple transcript variants encoding different isoforms have been found for this gene. This gene, which is also referred to as TPP1, is distinct from the unrelated TPP1 gene on chromosome 11, which encodes tripeptidyl-peptidase I. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). CCDS Note: This CCDS was updated to trim the coding region at the 5' end, which shortens the N-terminus of the protein by 86 amino acid residues. The update is supported by conservation data.