

Product datasheet for RC204381L1

OriGene Technologies, Inc.

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PTOP (ACD) (NM_001082486) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PTOP (ACD) (NM 001082486) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PTOP

Synonyms: PIP1; PTOP; TINT1; TPP1

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC204381).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001082486

ORF Size: 1632 bp





PTOP (ACD) (NM_001082486) Human Tagged Lenti ORF Clone - RC204381L1

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 001082486.1</u>, <u>NP 001075955.1</u>

 RefSeq Size:
 2095 bp

 RefSeq ORF:
 1377 bp

 Locus ID:
 65057

 UniProt ID:
 Q96AP0

 Cytogenetics:
 16q22.1

MW: 57.7 kDa

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

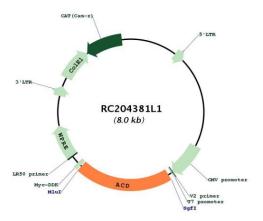
telomere length and to protect telomere ends. Through its interaction with other

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

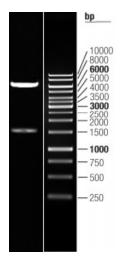
tripeptidyl-peptidase I. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC204381L1



Double digestion of RC204381L1 using Sgfl and Mlul $\,$