

## Product datasheet for **VC100079**

### **pTP (AC\_000019) Virus Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | pTP (AC_000019) Virus Tagged ORF Clone |
| Tag:                      | Myc-DDK                                |
| Symbol:                   | pTP                                    |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-Entry (PS100001)                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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ORF Nucleotide  
Sequence:

>The Viral ORF clone VC100079 represents NCBI reference of AP\_000577 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTTTCTATTAATGACTGCGCCAGACTGACCGGGCAGACTGTGCCTACCATGAATTATTTTCATGC  
CTCTTCGCAATATATGGAACCGAGTTTCGGGAATCCCCAGAGCTTCAACGACCGCAGCAGGAATTACATG  
GATGTCAAGATACATATATGGCTACCATCGCTGATGTTGGAGGATCTGGCGCCAGGCGCGCCTGCCACC  
GAAAGATGGCCCTGTATCGACAGCCCCCCTCACTTCCTTATTGGGTATCAGTACCTTGTGCGCACCT  
GCAATGACTACATCTTCGACACCCGGGCTACAGTAGACTCAAATACACAGAAGTGGTGGAGACTGGTCA  
CCAAACAGTAAATTGGTCCGTAATGGCCAATTGCGCTTACACCATAAATACGGGTGCCTACCACAGGTTT  
GTTGACTTTGACGATTTTCAAGCCAGTTGACACAAGTGCAGCAAGCCATATTGGCAGAACGGGTCTGG  
CCGACTTGGCCTTGGTTCAGCCTATGCGGGGGTTCGGCCTGACTAGAATGCATGGCCGGACTGGAGAGGA  
AGAAGTACCTGTAGAACGATTGATGCAGGATTACTACAAGGACCTGGCCCGATGCCAGGACAATGCTTGG  
GGGATGGCAAACAGGCTGCGGATCCAGCAAGCCGACCTAAGGATCTTGTGCTGCTGGCTACAATTCCGGA  
GATTGAGGACTGCATACTTTAACTTTATAAATTCTCCATCGTATCTCCATCACGCGACGAAGAGGAAAC  
TGAGGACCCCGACAGGACCCATAACCATCCCAGGCCACAGGAAGCAGTTCTGTCCCTGCCATGTGATTGT  
GATTGGCTGGATGCTTTCGTGGAGCGATTCAAGTGCATAATTTACGCCCTGAGCCTGCCAACGGAGAGCCGCATC  
TCACCACTTTAAGGAGATGCGGGGTGGCGTATTTACGCTTCGGCCCCGCGAGAATGGAAGGGCTGTGACT  
GAGACCATGAGGCGCAGGAGGGGGAGGTCATAGAGCGTTTCATAGACAGGCTCCAGTTCCGAAGGAGAA  
GACGGCGGGTCCCCCTCCACCTCCTCCAGAGGATGAGGAGGAAATGCTCGTAGAGGAAGAGATCGAGGA  
GGAGGAGGAAATACCTGGGGCATTGAAAAGAGAAGTGCAGCAACTATTGCCGAGCTGATCCGGCTGCTC  
GAAGAGGAGCTCACCGTCTCCGCTCGCAACAGTCAGTTTTTTAATTTTGTGTAGATTTTTATGAGGCTA  
TGGAACGGCTGGAGGCACTGGGCGACGTGTGAGAGATGCCACTGAGGAGGTGGATCATGTACTTTTTCTGT  
AGCAGAACACATTGCCACAACGCTCAATTATCTTTTTCAACGGCTTTGCAATTACGCAGTATTTACGCGC  
CACGTTGAACTGAATTTGGCGCAAGTTGTGATGCGAGCCAGGGACTCAGAAGGCGCTGTAGTTTATAGCC  
GAGTCTGGAACGAGGCGGATGAATGCCTTTTCCAGCTTATGGGCAGAATCTCCAACGACCTGGCAGC  
CACCGTGGAGCGCGCAGTGTGAGGTGACCTGCAGGAAGAGGAAATAGAACAGTTTCATGGCCGAGATAGCT  
TATCAGGACAACCTCCGGCGATGTCCAGGAAATCCTCAGGCAGGCTGCCGTCAACGATACAGAGATCGACT  
CCGTGGAAGTGAATTTTCGCTTCAAACGACTGGTCTGTGCGCTTACTCAGAGGCGACAGATCCAAGA  
CGTAAACAGGAGGGTGGTGGCGCACGCCAGTCTGCTGCGGGCTCAGTATCAGAACCTTCCCGTTCGCGGA  
GCCGATGTCCTCTCCCTGCCATGCCCCCTGGGCCGGAGCAACCTTGCCACCAGGCGCTCGCCCCAGGC  
ACCGCTTT

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100079 representing AP\_000577  
 Red=Cloning sites Green=Tags

MALSINDCARLTGQTVPTMNYFMPLRNIWNRVREFPRASTTAAGITWMSRYIYGYHRLMLEDLAPGAPAT  
 ERWPLYRQPPPHFLIGYQYLVRTCNDYIFDTRAYSRLKYTELVRPGHQTWNWSVMANCAYTINTGAYHRF  
 VDFDDFQATLTQVQQAIIAERVVADLALVQPMRGFGLTRMHGRTGEEVEPVERLMQDYKDLARCQDNNAW  
 GMANRLRIQQAGPKDLVLLATIRRLRTAYFNFITSSIVSPSRDEEETEDPDRTHNHPRPQEAVLSLPDCD  
 DWLDAFVERFSDPVDLDIRSLRAVPTGQLIKCIIISALSLPNGEPPSHHFKEMRGGVFTLRPRENGRAVT  
 ETMRRRRGEVIERFIDRLPVRRRRRRVP PPPPEDEEEMLVVEEIEEEEEEIPGAFEREVRATIAELIRLL  
 EEELTVSARNSQFFNFVDFYEAMERLEALGDVSEMP LRRWIMYFFVAEHIATTLNLYFQRLCNYAVFTR  
 HVELNLQAQVMMRARDSEGAVVYSRVWNEAGMNAFSQLMGRISNDLAATVERAGRGDLQEEIEEQFMAEIA  
 YQDNSGDVQEILRQAANDTEIDSVELSFRFKLTGPVAFQRRQIQD VNRRVVAHASLLRAQYQNL PVRG  
 ADVPLPAMPPGPEQPLPPGARPRHRF

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC\_000019

ORF Size: 1968 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK 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:** [AC\\_000019.1](#), [AP\\_000577](#)

**RefSeq ORF:** 1968 bp

**MW:** 75.6 kDa