

## Product datasheet for **VC100215**

### **pTP (AC\_000018) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	pTP (AC_000018) 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 VC100215 represents NCBI reference of AP\_000540 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCTTTGTCTATCAACGACTGTGCGAGGCTGACCGGTCAAACCGTGCCTACAATGAATTACTTTCATGC  
CTCTGCGAAATATATGGAATCGGGTAAGGGAGTTTCCGAGAGCTAGCACTACAGCCTCAGGTATTACATG  
GATGTCCCGGTATATTTACGGCTATCATAGATTGATGCTCGAAGATCTTGCGCCGGGAGCTCCCGCCACA  
GAGCGTGGCCACTGTACCGCCAGCCACC GCCCACTTCTTATTGGCTACCACTACTTGGTGAGGACAT  
GCAATGACTACATTTTCGATACCCGAGCTTATTCACGGCTGAAGTACACAGAACTCGTGCSCCCCGGGCA  
CCAGACCGTGAAGTGGAGCGTATGGCCAATTGTAGTTATACAATCAATACAGGGGCTTATCATAGATTT  
GTTGACTTCGATGATTTTCAGGCTACACTACCCAGGTGCAACAAGCTATCTTGGCAGAGAGAGTTGTAG  
CCGATCTCGCACTGGTGCAGCCGATGAGAGGCTTCGGAATTACCCGGATGCATGGCGGGGGGGCGAGGA  
GGAGGTCCCCGTGGAGCGCTGATGCAAGATTACTACAAAGACCTGGCACGGTGTGAGGACAACGCATGG  
GGAATGGCTCACAGACTCCGAATTCAGCAGGCAGGTCCGAAGGACCTGGTGCTTCTCGCCACAATCCGGA  
GACTCAAGACTGCTTATTTAATTTTCATCACTTCTTATTGTTTCCAGTTCTCAGGAGGAGGAGGGTAA  
AGAGAGGGAGAATCCTGATCGGGCAAGCAGTAGACCAAGGCCGAGGAAACTGTGTTGTCCTCCCTTGC  
GATTGCGATTGGTTGGACGCCTTCGTGGAGAGATTTTCAGATCCTGTAGACTTGGAAACCATCAGGTCAC  
TGCCGGGGGTGCCAACTGGTCAGCTCATCAATGCATTATCAGCGCCGTATCCCTGCCTAATGGCGAGCC  
ACCTAGTACCAATTTTCGCGAGATGAGGGGAGGGGTTTTACGTTGCGGGCCCGGAAAACGGGAGAGCG  
GTCACCGAGACTATGAGGAGAAGCGGGGAGAAGTGATCGAGAGGTTTCATCGACAGATTGCCAGTGAGAC  
GCCGGAGACGCAGGGTTCCCCCCCCACCACTGCACCCCCAGAAGAGGAGGAGATGCTTGTGAGGAAGA  
GGAAATCGAAGAAGAGATACCAGGGGACTTCGAACGGGAAGTAAGGACAACCATCGCTGAACTATTAGG  
CTCCTGGAGGAGGAGTTGACTGTGTGAGCCGCAATTCTCAGTTCTTCAACTTCGCTGTAGATTTCTACG  
AAGCAATGGAGCGGCTCGAGGCGCTGGGAGACGTATCCGAGATGCCCTTCGGAGATGGATCATGTATTT  
TTTTGTTACAGAGCACATCGCTACCACCTTGAACCTGTTTCAACGCCTCTGTAATTACGCTGTCTTT  
ACTCGCCACGTGGAGCTGAACCTGGCCAGGTTGTAATGAGGGCTCGCGATCCTGTTGGCGCTGTGGTGT  
ACTCTCGAGTTTGAACGAGGCCGGAATGAATGCTTTTTCCAGTTGATAGGGCGCATTTCAAATGACCT  
GGCGGCTACTGTTGAGCGGGCCGCGAGGGTGACCTCCAGGAGGAGAGATCCAGCAATTCATGGCAGAG  
ATTGCGTACCAGGATAACTCTGGAGATGTTTCAGGAGATTCGCGACAGGCTGCCGTTAACGATACTGAGA  
TCGATTACGTGGAGCTGTCTTTTCGATTCAAACCTACCCGACCACTCGCTTTTACCAACGGAGGCAGAT  
TCAGGACGTTAACAGGCGAGTAGTTGCTCACGCTTCCCTGCTGAGGGCTCAGTACCAGAATCTTCCCGCC  
CGCGGGGCTGATGTTCCCTTCTGCCATGCCTCCAGGTCCTGAACCTCCCTGCCTCCGGGGGCTAGAC  
CCAGGCACCGCTCC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100215 representing AP\_000540  
Red=Cloning sites Green=Tags

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MALSINDCARLTGQTVPTMNYFMPLRNIWNRVREFPRAS TTASGITWMSRYIYGYHRLMLEDLAPGAPAT
ERWPLYRQPPPHFLIGYQYLVRTCNDYIFDTRAYSRLKYTELV RPHGQTVNWSVMANCSY TINTGAYHFR
VDFDDFQATLTQVQQA ILAERVVADLALVQPMRGFGITRMHGRAGEEEV PVERLMQDYKDLARCQDNNAW
GMAHRLRIQQAGPKDLVLLATIRRLKTAYFNFITSSIVSSSQEEEGKERENPD RASSRPRPQETVLSLPC
DCDWLDAFVERFSDPVDLETIRSLRGVPTGQLIKCIISAVSLPNGEPPSHHFRE MRGGVFLRPRENGRA
YTETMRRRRGEVIERFIDRLPVRRRRRVP PPAAPPEEEEMLV EEEEEIEEEIPGDFEREVRTTIAELIR
LLEELTVSARNSQFFNFVDFYEAMERLEALGDVSEMP LRRWIMYFFVTEHIATTLN YLFQRLCNYAVF
TRHVELNLAQVVMRARDPVGAVVYSRVWNEAGMNAFSQL IGRISNDLAATVERAGRGDLQEE EIQQFMAE
IAYQDNSGDVQEILRQA AVNDTEIDSVELSF RFKLTGPVAF TQRRQIQDVNRRVVAHASLLRAQYQNLPA
RGADVPLPAMPPGPEPLPPGARPRHRS
  
```

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** AC\_000018

**ORF Size:** 1974 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\\_000018.1](#), [AP\\_000540](#)

**RefSeq ORF:** 1974 bp

**MW:** 75.6 kDa