

## Product datasheet for **VC100116**

### **pTP (AC\_000008) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	pTP (AC_000008) 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 VC100116 represents NCBI reference of AP\_000203 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCCCTGAGCGTGAACGACTGTGCACGGTTGACCGGCCAGTCTGTGCCAACAATGGAACATTTTCTTC  
CCTTGAGGAACATCTGGAACAGAGTGAGAGACTTCCCGAGCCTCAACAACCTGCTGCTGGCATTACCTG  
GATGTCACGATATATATATGGATACCACAGGCTCATGCTGGAGGATCTGGCTCCGGGAGCCCTGTACA  
CTGCGCTGGCCCTGTATCGGCAGCCCCCTCACTTCTCGTCGGCTATCAGTACCTGGTCCGAACCT  
GTAACGATTACGCTTTGACAGCAGGGCTACTCAAGACTTCGCTACACTGAACTGAGCCAGCCAGGCCA  
TCAGACCGTGAATTGGTCCGTGATGGCCAACCTGCACCTACACGATAAATACCGGAGCATAACCACAGATT  
GTAGACATGGACGATTTTCAGAGCACGCTGACACAGGTGCAGCAGGCTATCCTCGCGGAGAGAGTGGTAG  
CAGATCTCGCACTGCTCCAACCGATGAGGGGTTTTGGAGTTACACGCATGGGGGTCGGGAAGGCACCT  
TCGGCCAAATTCGCGAGCTGCTGCCCATCGATTGCCAGGGATGCCGGTACGGAAGAAGCGAGGAGGAA  
GTGCCAGTTGAGAGGCTGATGCAAGACTATTATAAAGATCTTAGGCGGTGCCAGAACAAGCATGGGGCA  
TGGCAGACCGCTGCGGATTGAGCAAGCAGGCCGAAGGATATGGTGTCTCTCCACCATCAGGCGGCT  
TAAACAGCATACTTTAATTACATCATTCTAGTACATCTGCTAGAAAACAATCCTGATAGGCGCCCCCTT  
CCACCCGCAACAGTTCTTAGTCTCCCATGCGATTGTGACTGGCTGGATGCCTTCTGAAAGATTGAGCG  
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CGTATCCGCTGTGAGCCTGCCCCACGGATCACCCACCCACTCACAATCGGGATATGACGGGAGGAGTT  
TTTCAACTTCGGCCTCGGAAAACGGCCGGCAGTACTGAGACAATGCCCGGAGACGGGGCAGATGA  
TTGAAAGGTTTTGTGGACCGCTGCCCGTAAGAAGGAGACGAAGAAGAGTCCCGCTCCCCCCCCCCCC  
TGAAGAGGAGGAAGGTGAAGCCCTTATGGAAGAGGAGATCGAGGAAGAGGAGGAAGCGCCGTGGCCTTC  
GAAAGGGAAGTCCGCGACACCGTCGCGAACTCATTAGACTCCTGGAGGAAGAACTGACCGTGAGTGCTA  
GAAACTCTCAGTTCTTTAACTTTGCCGTGGATTCTATGAGGCTATGGAGAGACTCGAGGCACTGGGCGA  
TATCAACGAATCAACCCTGAGGCGCTGGGTGATGACTTTTTTGTGGCCGAGCATACAGCAACTACCCTG  
AACTATCTCTCCAGAGGCTGAGAACTATGCAGTGTGCAAGACATGTGGAGCTGAATCTGGCCAGG  
TCGTAATGCGAGCCCGCATGCAGAAGGCGGAGTTGTGTACAGCAGAGTTTGAATGAAGGTGGTCTGAA  
CGCCTTTTCTCAGCTGATGGCACGCATCTCAACGATCTGGCTGCTACTGTGGAGAGAGCCGGCCGGGA  
GATTTGCAGGAAGAAGAAATCGAGCAATTTATGGCCGAGATCGCCTACCAGGATAACAGCGGTGATGTGC  
AGGAGATCCTTCGGCAGGCTGCTGTCAATGACACTGAAATCGACTCAGTTGAGCTGAGCTTTAGACTGAA  
ACTCACTGGCCCTGTGGTGTACACAGAGACGGCAAATTCAGGAAATCAACAGGCGAGTGGTCGCTTT  
GCCTCAAATCTCAGAGCACGCATCAGCTTTGCCTGCCAGGGCGCTGATGTTCTCTCCCGCCACTGC  
CTGCCGGGCTGAGCCCCCTCTCCACCCGGAGCTCGACCCAGACATCGGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100116 representing AP\_000203  
 Red=Cloning sites Green=Tags

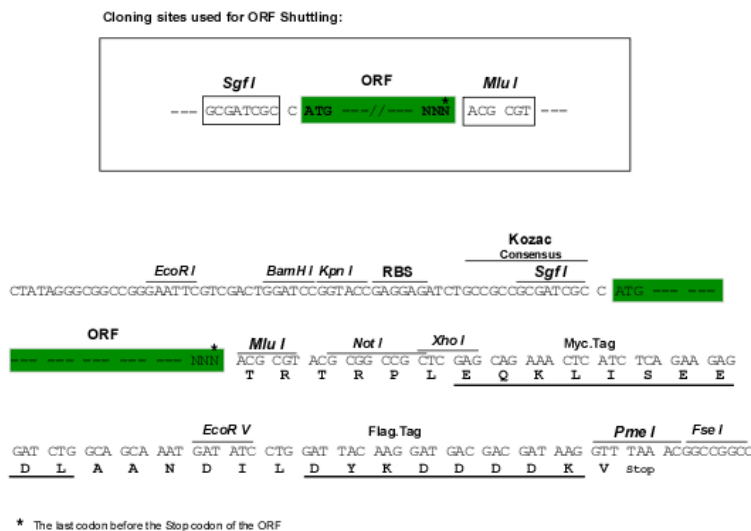
MALSVNDCARLTGQSVPTMEHFLPLRNIWNRVDFPRASHTAAGITWMSRYIYGYHRLMLEDLAPGAPAT  
 LRWPLYRQPPPHFLVGYQYLVRTCNDYVFDSDRAYSRLRYTELSQPGHQTWNWSVMANCTYINTGAYHFR  
 VDMDDFQSTLTQVQQAIIAERVVADLALLQPMRGFGVTRMGGRGRHLRPNAAAAAIDARDAGQEEGEEE  
 VPVERLMQDYDKLRRCCQNEAWGMADRLRIQQAGPKDMVLLSTIRRLKTAIFYNYIISSTSARNNPDRRPL  
 PPATVLSLPCDCDWLDAFLERFSDPVDADSLRSLGGGVPTQQLRCIVSAVSLPHGSPPPHNRDMTGGV  
 FQLRPRENGRAVTETMRRRRGEMIERFVDRLPVRRRRRRVP PPPPPPEEEEGEALMEEEEIEEEEEAPVAF  
 EREVDRDTVAELIRLLEEELTVSARNSQFFNFAVDFYEAMERLEALGDINESTLRRWVYFFVAEHTATTL  
 NYLQRLRNYAVFARHVELNLAQVVMRARDAEGGVVYSRVWNEGGLNAFSQLMARI SNDLAATVERAGR  
 DLQEEEIEQFMAEIA YQDNSGDVQEILRQAAVNDTEIDSVELSFRLKLTGPPVFTQRRQIQEINRRVAVF  
 ASNLRQHQLLPARGADVPLPLPAGPEPPLPPGARPRHRF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC\_000008

ORF Size: 2013 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\\_000008.1](#), [AP\\_000203](#)

**RefSeq ORF:** 2013 bp

**MW:** 76.5 kDa