

## Product datasheet for **VC100057**

### **pTP (AC\_000007) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	pTP (AC_000007) 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 VC100057 represents NCBI reference of AP\_000167 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTTGAGCGTCAACGACTGCGCCCGCTTACTGGACAGAGCGTCCCACCATTGGAGCACTTTTGGC  
CCCTGAGAAACATCTGGAACCGCGTCCGGGATTTCCAGGGCATCCACAACCGCAGCTGGCATTACTTG  
GATGAGTCGCTACATCTATGGTTACCATAGGTTGATGCTGGAAGATCTCGCTCCAGGTGCCCGCAACC  
CTGAGATGGCCACTGTACCGGCAGCCCCCTCCACACTTCTGGTCGGTTATCAGTACTTGGTGCGAACTT  
GTAATGACTATGTTTTGATTCCAGGGCTATTCTCGACTGCGGTATACTGAGCTGTCTCAACCCGGACA  
TCAGACTGTGAAGTGGAGCGTTATGGCTAATTGTACCTACACTATCAATACCGGTGCCTATACCGATT  
GTGGACATGGACACTTTCAGAGCACACTCACACAGGTGCAGCAGGCCATTTTGGCAGAACGAGTCGTGC  
CCGACCTCGCACTCCTCCAGCCTATGCGAGGGTTCGGAGTCACACGGATGGCGGTCCGGGCAGGCACCT  
GGCCCCAAATTCGCTGCAGCTGTGCGATTGATGCTAGAGACGCTGGTCAAGAGAGGGTGAAGAAGAA  
GTGCCTGTGGAGAGGCTTATGCAGGATTACTACAAGGATCTGAGGCGCTGCCAAAACGAAGCCTGGGGCA  
TGGCAGACCGGCTGCGCATTAGCAAGCTGGGCTAAGGATATGGTGCTTCTCTACCATCAGGCGCCT  
GAAAACCGCATATTTCAATTATATTATCAGTAGCACCTCCGCGCGGAACAACCCCGACAGGCATCCCCTG  
CCCCCGCCACCGTGTGTCCTGCCTTGTGATTGCGATTGGTTGGACGCATTTCTCGAGCGATTCTCCG  
ACCCAGTTGACGCCGACAGCCTGAGATCCCTGGGCGCGCGTCCCACACAGCAACTCCTCAGATGAT  
TGTCAGTGCTGTCTCTGCCCCATGGTCAACCCCCACACACAACCGGGATATGACAGGAGGCGTT  
TTCCAGCTTAGACCCAGGAGAACCGCAGGGCTGTCACAGAGACAATGAGGCGCCGAGGGGAGAAATGA  
TTGAGCGGTTTCGTGGACAGATTGCCCGTGCAGCGGAGGAGACGAGTGCCACCTCCACCCCGCCCCC  
GGAAGAAGAGGAGGAAGGCGAAGCACTTATGGAGGAAGAATCGAAGAGGAGGAGGCCCCCGTGGCCTT  
GAAAGGGAAGTGAGGGACACCGTCGAGAACTGATCCGCTTGTGGAGGAGGAGCTCACGGTGTCTGCAC  
GCAACTCTCAATTCCTCAATTTCCGCGTCGATTCTACGAAGCTATGAAAGGCTTGAAGCTCTGGGTGA  
CATCAATGAAAGTACCCTCCGGAGGTGGGTAATGTAATTTTTTGGTGAACACACAGCCACCACACTG  
AACTACCTGTTTCAGAGACTGAGGAATTACGCCGTTCGCCAGACAGTTGAGCTGAATCTTGCTCAGG  
TAGTGATGCGCGCCAGAGACGCTGAAGGGGCGTGGTCTATTCTCGAGTGTGGAACGAGGGAGGACTGAA  
TGCTTCTCCAGCTGATGGCCAGGATTAGCAATGATCTGGCCGCCACCGTCGAGCGGGCAGGTAGGGGC  
GACCTGCAAGAGGAGAGATCGAACAGTTCATGGCCGAGATCGCCTATCAGGACAATTCAGGCGAGCTCC  
AAGAAATCCTCCGGCAGGCTGCTGTGAATGACACCGAAATCGACTCTGTGGAATTGAGCTCCGCTTTAA  
GCTCACCGGGCCTGTGGTGTTCACACAGAGAAGACAGATCCAGGAAATTAACCGGAGGGTAGTCGCATTC  
GCCTCAAATCTGCGCGCACAAATCAGTTGCTGCCTGCAAGGGGGCCGATGTGCCTCTGCCTCCATTGC  
CTGCTGGTCCCGAACCCCTGCCCGGAGCACGCCCTAGACATCGCTTC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100057 representing AP\_000167  
Red=Cloning sites Green=Tags

MALSVNDCARLTGQSVPTMEHFLPLRNIWNRVDFPRASHTAAGITWMSRYIYGYHRLMLEDLAPGAPAT  
 LRWPLYRQPPPHFLVGYQYLVRTCNDYVFDSDRAYSRLRYTELSQPGHQTWNWSVMANCTYTINTGAYHFR  
 VDMDDFQSTLTQVQQAIALAERVVADLALLQPMRGGFVTRMGGGRHRLPNSAAAVAIDARDAGQEEGEEE  
 VPVERLMQDYDKLRRCCQNEAWGMADRLRIQQAGPKDMVLLSTIRRLKTAIFYNYIISSTSARNNPDRHPL  
 PPATVLSLPCDCDWLDAFLERFSDPVDADSLRSLGGGVPTQQLRCIVSAVSLPHGSPPPHNRDMTGGV  
 FQLRPRENGRAVTETMRRRRGEMIERFVDRLPVRRRRRRVP PPPPPPEEEEEEGEALMEEEEEEEEAPVAF  
 EREVDRDTVAELIRLLEEELTVSARNSQFFNFAVDFYEAMERLEALGDINESTLRRWVMYFFVAEHTATTL  
 NYLFQRLRNYAVFARHVELNLAQVVMRARDAEGGVVYSRVWNEGGLNAFSQLMARI SNDLAATVERAGR  
 DLQEEEIEQFMAEIA YQDNSGDVQEILRQAAVNDTEIDSVEL SFRFKLTGPVVFTQRRQIQEINRRVVAF  
 ASNLRQHQLLPARGADVLPPLPAGPEPPLPPGARPRHRF

TRRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** AC\_000007

**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\\_000007.1](#), [AP\\_000167](#)

**RefSeq ORF:** 2013 bp

**UniProt ID:** [P03254](#)

**MW:** 76.5 kDa