

## Product datasheet for **VC100007**

### **pTP (AC\_000017) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	pTP (AC_000017) 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 VC100007 represents NCBI reference of AP\_000504 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCCTTTTCAGTGAACGATTGCGCTCGGCTCACGGGGCAGTCCGTTCTACAATGGAGCACTTCTTGC  
CCCTGCGGAATATTTGGAACCGCGTCCGCGATTTCCCTAGAGCATCTACCACAGCCGAGGCATCACATG  
GATGAGCAGATACATCTATGGGTACCACAGGCTGATGCTGGAGGACCTCGCTCCAGGCGCGCCAGCCACA  
CTGCGCTGGCCACTGTATCGACAACCACCTCCTCACTTTCTTGTGGCTATCAATACTTGGTACGGACAT  
GCAACGATTACGTGTTTACAGCCGGGCTATTCCCGCTCAGGTACACAGAGCTGAGCCAGCCTGGACA  
CCAGACCGTGAAGTGGAGTGTATGGCTAATTGTACGTATACCATAAATACTGGCGCTTATCATAGGTTT  
GTTGACATGGACGATTTTCAATCAACTCTGACCCAGGTACAACAGGCTATTCTCGCAGAAAGGGTGGTGG  
CCGATCTGGCACTGCTCCAGCCATGAGAGGGTTTGGCGTGACCAAGATGGGAGGAGAGGGCGCCACCT  
GAGGCCAATAGTGTGACGCTGCTGCTATCGACGCCCGGATGCTGGGAGGAGAGGGCGAAGAAGAG  
GTGCCAGTGGAGAGGCTGATGCAAGACTACTACAAGGATCTCCGACGGTGCCAGAACGAGGCATGGGAA  
TGGCCGATAGACTCCGCATTAGCAGGCGGGACCCAAGGACATGGTGCTCCTGAGCACCATACGGCGATT  
GAAGACAGCTTACTTCAACTATATTATAAGCTCAACGAGCGCTAGGAACAACCCCGATAGGAGACCCTG  
CCCCAGCCACCGTGTGAGCCTGCCGTGACTGTGACTGGCTGGACGCTTTTCTGGAGAGGTTCTCTG  
ACCCAGTGGATGCCGATTCCTGCGCTCTCTGGTGGTGGAGTCCAACGCAGCAGCTGCTGAGATGCAT  
AGTTTCAGCCGTGCTCTGCCACATGGATCCCCCTCCAACCCATAACCGGGACATGACTGGTGGAGTC  
TTCCAACTCCGGCTCGGAAAAATGGACGGCAGTCACTGAAACTATGCGGAGAAGACGGGGAGAAATGA  
TTGAAAGGTTTGTGACAGGCTGCCAGTTAGACGAAGAAGAAGACGAGTCCCACCGCCGCCACCCACC  
TGAGGAAGAAGAGGGCGAAGCTCTGATGGAAGAAGAAATCGAGGAGGAAGAAGCCCGTGGCATTGAG  
CGGGAAGTCAAGACACTGTGGCCGAGCTCATCAGACTGCTGGAGGAAGAAGTACAGTGTGAGTGGCAGAA  
ACAGCCAGTTCTTTAATTTTGGCGTGGACTTTTACGAGGCAATGGAAAGGCTGGAGGCTTTGGGCGACAT  
TAACGAGTCTACTCTGCGACGGTGGTGTATGATTTTCTCGTGGCCGAACATACCGCCACCACACTTAAC  
TACCTGTTCCAACGACTCCGAATTATGCCGTTTTTGGCAGGCACGTTGAGCTGAACTTGGCACAGGTGG  
TGATGAGAGCACGCGATGCCGAAGCGGAGTGGTTTATCCAGGGTATGGAATGAGGGGGGCTGAATGC  
ATTTTCCAACGATGGCCCGGATATCCAACGACCTGGCGCCACAGTTGAACGGCTGGCCGCGCGAT  
CTCAAGAGGAGGAGATCGAGCAATTTATGGCCGAAATCGGTATCAGGACAATCTGGCGACGTTCAAGG  
AGATCCTCAGGCAGGCCCGCTCAACGACACGGAATGATTGATTGAACTGAGTTCCGCTTCAAGCT  
TACCGGCCGGTTCGATTTACGCAGCGACGACAGATCCAAGAGATTAACCGCGGGTGTGGCATTGGCC  
AGCAATTTGCGCGCACAGCACAATTTGCTGCTGCTAGAGGCGCAGATGTTCCCTGCCACCACCTGCCAG  
CTGGTCCCAGCCTCCGCTCCCACAGGTGCGCGGCTCGACACCGATT

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100007 representing AP\_000504  
 Red=Cloning sites Green=Tags

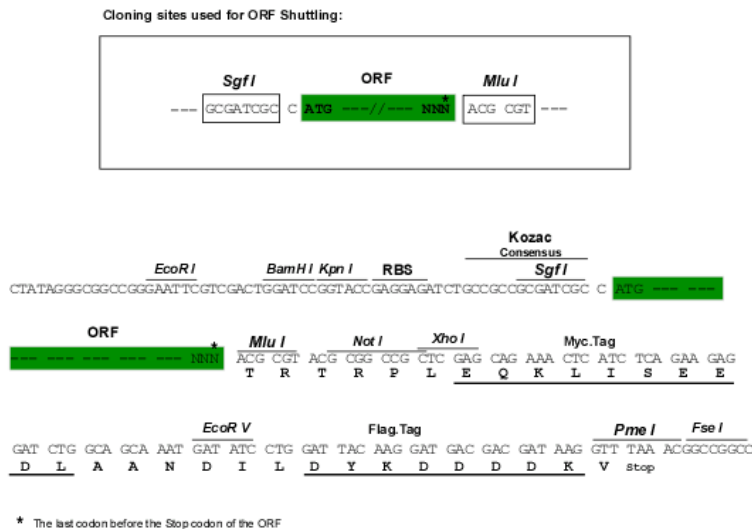
MALSVNDCARLTGQSVPTMEHFLPLRNIWNRVDFPRASHTAAGITWMSRYIYGYHRLMLEDLAPGAPAT  
 LRWPLYRQPPPHFLVGYQYLVRTCNDYVDFSDRAYSRLRYTELSQPGHQTWNWSVMANCTYINTGAYHFR  
 VDMDDFQSTLTQVQQAIIAERVVADLALLQPMRGFGVTRMGGRGRHLRPNAAAAAIDARDAGQEEGEEE  
 VPVERLMQDYKDLRRCQNEAWGMADRLRIQQAGPKDMVLLSTIRRLKTAIFYNYIISSTSARNNPDRRPL  
 PPATVLSLPCDCDWLDAFLERFSDPVDADSLRSLGGGVPTQQLRRCIVSAVSLPHGSPPPHNRDMTGGV  
 FQLRPRENGRAVTETMRRRRGEMIERFVDRLPVRRRRRRVP PPPPPPEEEEGEALMEEEEIEEEEAPVAFE  
 REVVRTVAELIRLLEELTVSARNSQFFNFVDFYEAMERLEALGDINESTLRRWVYFFVAEHTATTLN  
 YLFQRLRNYAVFARHVELNLAQVVMRADAEGGVVYSRVWNEGGLNAFSQLMARISNDLAATVERAGRGD  
 LQEEEIEQFMAEIAEQDNSGDVQEILRQAAVNDTEIDSVLSFRFKLTGPVVFTQRRQIQEINRRVVAFA  
 SNLRAQHQLLPARGADVPLPPLPAGPEPPLPPGARPRHRF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC\_000017

ORF Size: 2010 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\_000017.1, AP\_000504

**RefSeq ORF:** 2010 bp

**MW:** 76.4 kDa