

Product datasheet for **VC100407**

pTP (AC_000006) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	pTP (AC_000006) 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 VC100407 represents NCBI reference of AP_000144 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCTGTCCGTGAACGACTGCGCCAGACTGACTGGCCAAACCGTACCTACGATGGATTACTTTCTTC
CACTGCGCAATATCTGGAATCGCGTGCGAGAGTCCCTCGGGCGTCAACAACGGCCGCTGGTATCACATG
GATGTCCAGGTACCTGTACGGGTACCATCGGTTGATGCTGGAAGATCTGGCCCTGGAGCTCCCGCCACT
CAGCGGTGGCCCTGTACCGCCAGCCTCCCCACACTTCTGGTCGGCTACCACTACCTGGTGAGGACTT
GTAATGATTATGTCTTCGATAGCAGAGCCTTTTCTCGGCTCAGATATAGCGAGGTGGTGCAGCCCGGATT
GCAGACAGTTAATTGGTCCCTGATGGCCAATTGTACCTACACCATTAATACGGGAGCATAACCACAGATTC
GTCGATATGGATGACTTCAAGATACTCTGACTAGGGTTCAGCAGGCTATTCTCGCCGAAAGAGTAGTTG
CTGACCTGGCTCTGGTCCAGCCTCTCAGGGGGTGGGCGTGACAAGGATGGAGGACAGCGCAAGTGCATC
CGATGATATCGAACGGCTCATGCACGATTATTATAAAAACCTGTCTCGATGCCAGGGACAGGCTTGGGGT
ATGGCCGAACGCCTCCGCATACAACAGGCTGGTCCAAAGGATCTTGTCTTCTGGCCACTATTAGGCGAC
TGAAGAACGCATACTTTAATTATATCATCTCTAATAGGAACTCAAACCTGTCCATCGGGCAGCCACCTG
TCTGTCCCTTCCATGTGATTGTGACTGGCTGGATGCGTTCCTGGAGCGCTTTTCAGACCCAGTGGACCTG
GATGCTCTGACCTCCCAACCCCTCAGCTGATCCGCTGCATAGTTCGCGCTCTCACTGCCTAACGGGG
ATCCTCCCCTACCGGGAGATGACCGGAGGAGTGTTCACACTCAGACCGCGCAACGAGGCAGAGCTGT
TACCGAAACGATGAGGAGCGCAGCGGGGAAATGATTGAGAGATTCGTGGATCGTTGCCCGTCCGAAGG
AGGCGCAGACGCGCACCCCTCCCCCGCCTCCGGAGGAGGATCGAGGAAGTTGTTATGGAAGAGG
AAGAAGAGGATGAAGCTCCCGGGGACTTTGAGAGGGAGGTTTCGCGCTACAATCGCAGAAGTGCATCCGACT
CCTGGAGGATGAGCTTACTGTGTCCGCACGCAACGCTCAGTTTTTCAATTTTGTGTGGATTTCTACGAA
GCAATGGAGCGGCTGGAAGCTATCGGAGACATCTCAGAGATGCCTCTCAGAAGGTGGATTATGTATTTTT
TCGTGACGGAGCACATAGCAACAACACTCAATTACTTGTTCACGGCTGCGGAATTACGCTGTGTTTCGC
AAGGCACGTTGAGCTCAACCTGGCACAGGTGGTTCATGCGCGCTCGGGACGCTGACGGTGACGTTGTATAC
AGTCGGGTTTGAACGAGAGCGGCTCGGGGCTTTTTCTCAACTGATGGGACGCATAAGTAATGACCTCG
CCGCAACCGTAGAGCGAGCAGGGAGGGCGACTTGCAGGAGGAAGAGATTGAACAGTTTATGTCAGAGAT
CGCCTATCAGGATAACTCTGGGACGTGCAAGAAATTCTCAGGCAGCCAGCGTCAATGACGCAGAGATC
GATAGCGTGGAGCTGAGTTTCAGATTCAAGGTGACCGGTCCAGTTGTGTTACCCAGAGAAGACAGATTC
AGGACGTCAACCGGCGCTGGTTCGCCACGCTCTGCACTTCGCGCGCAACATAGAGACCTGCCAGAGAG
GCATGCAGATGTTCCCTTCCACCTTGCTGCAGGGCCGGAGCCACCACTGCCCCCTGGAGCAAGGCC
CGACATAGATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100407 representing AP_000144
Red=Cloning sites Green=Tags

MALSVNDCARLTGQTVPTMDYFLPLRNIWNRVREFPRASHTAAGITWMSRYLYGYHRLMLEDLAPGAPAT
 QRWPLYRQPPPHFLVGYQYLVRTCNDYVFDSEAFSRLRYSEVVQPLQTVNWSLMANCTYTINTGAYHFR
 VDMDDFQDTLTRVQQAIIAERVVADLALVQPLRGVGVTRMEDSASASDDIERLMHDYYKNLSRCQQAQW
 MAERLRIQQAGPKDLVLLATIRRLKNAFYNYIIISNRNSNSVHRAATCLSLPCDCDWLDAFLERFSDPVDL
 DALTSPTPQLIRCIVSALSPLNGDPPHYREMTGGVFTLRPRERGRAVTEMRRRRGEMIERFVDRLPVR
 RRRRAPPPPPPEEEIEEVVMEEEEEEDEAPGDFEREVRATIAELIRLLEDELTVSARNAQFNFVAVDYFE
 AMERLEAIGDISEMPLRRWIMYFFVTEHIAATLNLFLQRLRNYAVFARHVELNLAQVVMRARDADGDVVY
 SRVWNESGLGAFSQLMGRISNDLAATVERAGRDLQEEIEEQFMSEIAYQDNSGDVQEILRQPAVND AEI
 DSVELSRFKVTGPVVFTRRQIQDVRNRVVAHASALRAQHRDLPERHADVPLPPLPAGPEPPLPPGARP
 RHRF

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC_000006

ORF Size: 1902 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_000006.1, AP_000144

RefSeq ORF: 1902 bp

MW: 72.8 kDa