

## Product datasheet for **VC100153**

### **pTP (NC\_012959) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	pTP (NC_012959) 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 VC100153 represents NCBI reference of YP\_003038604 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTTTGAGCGTGAATGACTGCGCGCCCTTACAGGACAAACTGTTCTACCATGGATTATTTCTTGC  
CTCTGCGAAACATCTGGAACAGGGTTCCGGAGTCCCGCGGCCAGCACTACCGCCCGGTATAACATG  
GATGTCTCGTACTTGTATGGGTATCACCGGCTCATGTTGGAAGACCTGGCCCTGGTGCSCCGCAACT  
CAACGCTGGCCCTCTATAGACAACCGCCCCCATTCTTGTGGGATATCAGTACTTGGTACGAACGT  
GCAATGATTACGTGTTGATAGCCGAGCCTTAGCCGGTTCGGTATAGCGAGGTTGCCAGCCAGGGCT  
GCAGACTGTCAATTGGTCCCTTATGGCAAACGTACTATACTATCAATACCGGAGCCTACCACAGGTT  
GTCGATATGGACGATTTTCAGGATACGCTCACAAGAGTGCAGCAGGCAATTTGGCGGAGCGAGTGGTAG  
CCGACTTGGCTCTGGTGCAGCCGCTGAGGGCGTGGGAGTTACACGCATGGAAGATAGCGCCTCAGCCGC  
AAATGACGACATAGAGAGACTGATGCATGATTATTACAAGAATTTGTCCAGATGCCAGGGACAGGCATGG  
GGCATGGCCGAACGCCTGAGAATCCAGCAAGCCGACAAAAGACCTCGTGTCTGCCACCATAGGC  
GCCTCAAGAAATGCTTACTTCAACTACATTATCTCCAACCGCAATTCCTCAACTCCGTGCATCGCGCCGCAC  
ATGCCTTAGTCTGCCGTGCGATTGCGACTGGCTGGACGCATTTCTCCAGAGGTTTTCCGACCCTGTGGAT  
CTGGATGCGCTCACCTCCCCTACTCCACAGCTGATCCGATGTATCGTGAGTGCCTGTCTCTGCCGAACG  
GAGACCCCCCTATTATCGCGAAATGACCGGTGGGGTCTTTACTGCGACCTAGAGAACAGGGACGCGC  
AGTGACCGAGACCATGCGAAGACGCCGAGGGGAAATGATTGAGCGGTTTCGTCGATAGACTTCTGTGAGG  
CGCCGGCGCAGACGCGCACCCGCCACCCCTCCCCCGAAGAGATTGAGGAAGAAGTCGTGATGGAGG  
AAGAGCAGGAGGAGGCACCGGGGACTTCGAAAGGGAGGTGCGAGCCACGATAGCAGAGCTTATACGCCT  
GTTGGAGGATGAGTTGACCGTGTACGCCAGAAACGCACAGTTTTTTAATTTCCGCCGTTGATTTCTACGAA  
GCTATGGAACGACTCGAAGCTATTGGCGACATATCCGAGATGCCCTTAGACGGTGGATCATGTATTTCT  
TTGTGACGGAGCACATCGCCACTACTCTGAACTATCTTTTTCAACGGCTTAGGAATTACGCCGTTTTAC  
TAGACACGTGGAGCTGAACCTTGCGAAGTGGTTATGAGAGCACGAGACGTGGATGGGGATGTGGTGTAT  
AGCAGAGTGTGGAACGAGTCCGGACTGGGGCTTTCTCACAACCTATGGGACGCATTTCTAACGACCTG  
CTGCCACGGTTGAACGGCCGGCAGAGGCGATCTCCAGGAAGAGGAAATCGAGCAATTCATGTCAGAGAT  
CGCCTATCAAGACAATAGCGGCGAGCTTACAGGATCCTTAGGCAGGCAGCTGTAATGACGCGAGAGATT  
GACTCAGTCGAGCTCAGCTTTAGGTTTAAAGTGACAGGACCTGTCGTGTTACACAGAGGCGCCAGATAC  
AAGACGTCAACCGCAGGGTTGTTGCTCATGCAAGCGCTCTTCGAGCACAACATAGAGATCTGCCTGAAAG  
ACACGCGGACGTTCCACTCCCCCCTGCCTACTGGGCCTGAACCTCCACTTCTCTGCGCGCGGCCCT  
CGCCACCGGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100153 representing YP\_003038604  
 Red=Cloning sites Green=Tags

MALSVNDCARLTGQTVPTMDYFLPLRNIWNRVREFPRASHTAAGITWMSRYLYGYHRLMLEDLAPGAPAT  
 QRWPLYRQPPPHFLVGYQYLVRTCNDYVFDSEAFSRLRYSEVVQPLQTVNWSLMACTYTIINTGAYHFR  
 VDMDDFQDTLTRVQQAIIAERVVADLALVQPLRGVGVTRMEDSASAANDDIERLMHDYYKNLSRCQGOAW  
 GMAERLRIQQAGPKDLVLLATIRRLKNAFYFNYIISNRNSNSVHRAATCLSLPCDCDWLDAFLQRFSDPVD  
 LDALTSPTPQLIRCIVSALSLPNGDPPYYREMTGGVFTLRPREQGRAVTEMRRRRGEMIERFVDRLPVR  
 RRRRRAPPPPPPEEIEEEVVMEEEQEEAPGDFEREVRATIAELIRLLEDELTVSARNAQFFNFVAVDFYE  
 AMERLEAIGDISEMPLRRWIMYFFVTEHIATTLNLYFQRLRNYAVFTRHVELNLAQVVMRARDVDGDVVY  
 SRVWNESGLGAFSQLMGRISNDLAATVERAGRDLQEEEEIEQFMSEIAYQDNSGDVQEILRQAAVNDAEI  
 DSVELSRFKVTGPVVFTRRQIQDNNRRVVAHASALRAQHRDLPERHADVPLPPLPTGPEPPLPPGARP  
 RHRF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_012959

**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:** [NC\\_012959.1, YP\\_003038604](#)

**RefSeq ORF:** 1902 bp

**MW:** 72.9 kDa