

## Product datasheet for **VC101754**

### **P (NC\_004148) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P (NC_004148) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P Protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101754 represents NCBI reference of YP_012606 with codon optimized for human cell expression <b>Red</b> =Cloning site <b>Blue</b> =ORF <b>Green</b> =Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTTCCTGAGGGGAAGGACATACTGTTTCATGGGTAACGAGGGCGGAAGCTTGCCGAAGCCTTTC  
AGAAGAGTCTCCGAAACCTTCACACAAGCGCTCACAGTCTATTATAGGTGAAAAGGTGAACACCGTGTC  
AGAGACCCTTGAAGTGCCTACAATTTCCCGCCCCACTAAACCAACGATCTTGTCTGAACCTAAGCTGGCC  
TGGACTGACAAAGGGGGAGCAATCAAACTGAGGCCAAGCAGACCATAAAGGTGATGGACCCCATTTGAAG  
AGGAGGAATTTACAGAAAAGAGGGTGCTGCCAGCAGCGACGAAAGACGCCCGCTGAGAAGAAGCTGAA  
GCCGAGTACTAATACTAAAAAAGGTATCCTTCACTCCTAATGAGCCGGCAAGTACACTAAGTTGGAG  
AAGGACGCCCTCGATCTCCTGTCCGACAATGAGGAGGAAGATGCCGAGTCATCAATCCTGACCTCGAAG  
AGAGAGATACTAGCTCTCTCAGTATAGAGGCTCGACTGGAAGCATCGAGGAGAAGTTGAGCATGATCCT  
GGGACTTCTCCGGACGCTGAATATCGCTACCGCCGGCCCTACCGCTGCCCGCAGCAGGAATACGAGATGCT  
ATGATCGGCATACGAGAGGAAGTATCGCGGACATAATCAAGGAGGCCAAGGGCAAAGCCGCTGAGATGA  
TGAAGAAGAAAATGAATCAGCGAACCAAGATCGGGAATGGATCTGTCAAGCTGACCGAGAAAAGCCAAAGA  
GCTCAACAAAATCGTCGAAGACGAGAGTACCTCCGGTGAATCTGAGGAAGAAGAGGAGCTGAAGGACACT  
CAGGAAAACAATCAGGAGGACGACATCTATCAACTTATCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >VC101754 representing YP\_012606  
Red=Cloning sites Green=Tags

MSFPEGKDILFMGNEAAKLAEAFQKSLRKP SHKRSQSIIGEKVNTVSETLELPTISRPTKPTILSEPKLA  
 WTDKGGAIKTEAKQTIKVM D P I E E E E F T E K R V L P S S D G K T P A E K K L K P S T N T K K K V S F T P N E P G K Y T K L E  
 K D A L D L L S D N E E E D A E S S I L T F E E R D T S S L S I E A R L E S I E E K L S M I L G L L R T L N I A T A G P T A A R D G I R D A  
 M I G I R E E L I A D I I K E A K G K A A E M M E E E M N Q R T K I G N G S V K L T E K A K E L N K I V E D E S T S G E S E E E E E L K D T  
 Q E N N Q E D D I Y Q L I M

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_004148

**ORF Size:** 882 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\_004148.2, YP\_012606  
RefSeq ORF: 882 bp  
Locus ID: 2799937  
MW: 32.7 kDa