

## Product datasheet for **VC100742**

### VP3 protein (NC\_001428) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VP3 protein (NC_001428) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP3 protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100742 represents NCBI reference of NP_740585 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGATTGCCCACTATGAACACACCGGGGAGCAATCAGTTTCTGACTAGCGACGATTTCCAGTCCCCTT  
GCGCATTGCCAAATTTTCGATGTGACCCCCCTATTCACATACCCGGAGAGGTGAAAAATATGATGGAGCT  
TGCAGAGATTGACACACTATTTCCCATGAACGCTGTCGACGGGAAGGTGAACACAATGGAGATGTATCAG  
ATCCCCTGAACGACAATCTCAGCAAGGCACCCATTTTCTGTCTTCCCTGTCTCCTGCCCTCCGACAAAC  
GGTTGAGCCACACTATGCTGGGAGAGATCCTGAATTACTACCCCACTGGACCGGATCAATCCGATTAC  
GTTCTTGTCTGTGGCTCTATGATGGCCACTGGCAAGTTGCTCCTGTCTACTCCCCCGGGGCAAG  
CCCCCACAAATCGGAAGGACGCTATGCTTGGGACACATATCATTGGGACCTCGGGTTCAGTCTTCAT  
GTTCCATGGTGGCTCCGTGGATCTAATACCGTTTACAGGCGGTGCGCCGAGATGATTTACGGAAGG  
CGGATTTATCACCTGTTTTACCAGACCCGATTGTGCTTCTGCCTCCACTCCAACCTCCATGTTTCATG  
CTCGGTTTCTGTCTGCCTGCCCTGATTTCTGTTCGCTGCTTCGAGACACTAGTCACATCTCACAGA  
GTAACCTGATCGCACGCACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100742 representing NP\_740585  
 Red=Cloning sites Green=Tags

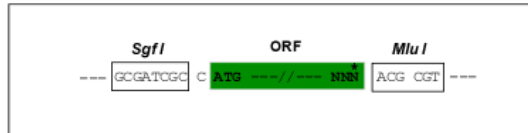
MGLPTMNTPGSNQFLTSDDFQSPCALPNFDVTPPIHIPGEVKNMELAEIDTLIPMNAVDGKVTMEMYQ  
 IPLNDNL SKAPIFCLSLSPASDKRLSHTMLGEILNYYTHWTGSIRFTFLFCGSMMATGKLLL SYSPPGAK  
 PPTNRKDAMLGTHIIWDLGLQSSCSMVAPWISNTVYRRCARDDFTEGGFITCFYQTRIVVPASTPTSMFM  
 LGFVSACPDFSVRLLRDTSHISQSKLIARTQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_001428

**ORF Size:** 723 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\_001428.1, NP\_740585  
RefSeq ORF: 723 bp  
MW: 26.7 kDa