

## Product datasheet for **VC100622**

### VP3 (NC\_012801) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VP3 (NC_012801) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100622 represents NCBI reference of YP_002956110 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCTCCTATACCCACCCGGCCTTTCCACCCTCATTCCAATTTAGTAGCACTGTGCCAGACGTCACCG  
AGCCATGCTACGGTATGACAGTGAATCCTCCAAAAGATTATATGCCCGAACCTGTGGGGATCTCGTCTC  
CCTGGCGAAGGTTGGTTCCTGGTGACTGTCTCCTACCCAGCAACTCTGATCAACCCTACTTCGAAATC  
AGCAATACTAAGAAGGATACGCCACTGTTCAAGTGAATGTACTGTTGCCGACCCACATTTTCAACATA  
CCCTGGTCTCTAATCTCGGCAAGTACTTCGCAAATTACAGAGGCAGCTTGCAATTCCTCATTATATCCGC  
TACTACCGCATGACAAAAGGAAGCTTCTGCTCAGTTACACACCCCGGAAGCGGAGCTCCCACCACG  
CTGGAACAGGCAATGAACGGAATTACTCCATCTGGGATATTGGCTTGACAGTACCTTCAACTTTGTGG  
TGCCTTACATTTCCGCTGTCGATTTCCGCCTTTGCGCCGCGCAGCGCTAGTGTCTCAACACCGACGG  
ATGGTTCACCGTTTGGCTTCTGAATCACTCACCTACCCGCCGGGACCCACCTACCCAGAACGTGGTA  
GTGATGCTTTCCGCCGTGAGGACTTTAGTTACCGCAATCCAATCTCCCCAGCCTGGACCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100622 representing YP\_002956110  
 Red=Cloning sites Green=Tags

MSPIPTRPFHHSFQFSSTVPDVTEPCYGMTVNPPKDYMPPEVGDVLVSLAKVGS LVTVSYPNSDQPYFEI  
 SNTKKDTPLFKCNVLLSDPHFQHTLVSNLGYFANYRGS LQFSFISATTGMTKGKLLLSYTPPGSGAPTT  
 LEQAMNGTYSIWIDIGLQSTFNFVVPYISAVDFRLCAASASVVNTDGWFTVWLLNSLTYPPGTPPTQNVV  
 VMLSAGEDFSYRNPISPAWTQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_012801

**ORF Size:** 693 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\_012801.1, YP\_002956110  
RefSeq ORF: 693 bp  
MW: 25.3 kDa