

## Product datasheet for **VC102091**

### VP3 (NC\_015150) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VP3 (NC_015150) 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 VC102091 represents NCBI reference of YP_004243704 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTGACGCCTTGGTTTCCTCAGGTGATTATCTGTTCCCCGACTGTCCAGCTTTAGTTACTACC  
TGAATGCTGCACTGGATTGGGGCGAAAGTCTCTCCACGCCGTCGGTCGAGAGATCTGGAGGAACATCAT  
GCGGCAGGCAACACAACAGATTGGCTACACTTCAAGAGCACTTGCCGTTTCGAGGAACAAATGAGTTTCAG  
CATATGCTCGCGCAGATCGCGGAAAATGCCCGTGGGCTTTACTAACGGACCTATTCACATCTATAGTA  
GCGTCGAGGAGTATTACAGGGGATTGCCTAGCGTGAATCCAATTCAGCTGAGACAGCAGTATAGGTCAAG  
AGGCGAGCTTCCCCCACCCGAGAGCAATTCGAGTACCAGGAACAGGTGCGCCTGCGGAGAGAAATTGGC  
GGGTGAGAGCCCCGGAGTGGGCACTATGTTGAGCATTACGCAGCCCTGGCGGGGCTAATCAGAGGGTGA  
GTCAGGATTGGATGCTGCCCTTATTCTCGGTCTGTACGGGGACATCACACCCACATGGGAGAAAGAGCT  
GTCCAAGTTGGAGAAAGAAGAGTACGGACCCCCAAAAAAGCTCGGGTGGGTCAATGAGCTGTAAA  
AAGAACCTGTCCAATACACGCAGCAGGAGCCAGACACCCTGTCAACGCAGGGGGAGATCCTCTCGGTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102091 representing YP\_004243704  
Red=Cloning sites Green=Tags

MALTPWFPQVDYLPGLSSFSYYLNAALDWGESLFHAVGREIWRNIMRQATQQIGYTSRALAVRGTNEFQ  
HMLAQIAENARWALTN GPIHIYSSVEEYYRGLPSVNPIQLRQQYRSRGELPPTREQFEYQEVRRLREIG  
GSEPRSGHYVQHYAAPGGANQRVSQDWMLPLILGLYGDITPTWEKELSKLEKEEYGP PKKARVRSMSCK  
KNLSNTRSRSQTPCQRRGRSSRS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_015150

**ORF Size:** 699 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\\_015150.1](#), [YP\\_004243704](#)  
RefSeq ORF: 699 bp  
Locus ID: 10352033  
MW: 26.9 kDa