

## Product datasheet for **VC100731**

### 1D(VP1) (NC\_001472) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	1D(VP1) (NC_001472) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1D(VP1)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100731 represents NCBI reference of NP_740540 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGCCCGGTGGAGGAGTCAGTTGAGAGAGCTATGGTGAGAGTTGCTGATACCGTTTCCTCCAAGCCTA  
CGAATTCGAATCCATCCCTGCGCTGACGGCTGCAGAGACCGCCATACTTCTCAGGTGGTCCGTC  
TACGATGCAGACGCGCCATGTGAAGAAGTATCATTCTCGCTCCGAATCCTCTATCGAGAAGTCCGTG  
AGGTCGCGATGTGTACTACGCCACCTACAATAACAAGTATGCTGAATGGGTGATTA  
ATACAAGCAAGTCGACAGCTGCTGAGGCGGAACTCGAGTTTACTTACCTCAGATTCGATCTCGAGCT  
CACTTTTGTGATCACCAGCGCACAGGAACCATCCACAGCTACCAGCGTCGACGCCCCAGTCCAAACCCAG  
CAGATTATGTACGTCCTCCAGGCGGCCCGTCCACAAAAGTACCGATTACGCTTGGCAGACCTCTA  
CCAACCAAGTGTCTTCTGGACAGAAGGAAACGCTCCCCAAGGATGTCCATTCCCTTATTAGCATAGG  
AAACGCATATTCCTGCTTCTACGATGGGTGGACACAGTTCAGCCGCAACGGAGTCTACGGCATAAATACA  
TTGAACAATATGGGTACTTTGTATATGCGCCATGTGAACGAAGCAGGTACAGGGGCAATCAAATCTACCG  
TACGATTTATTTAAACCTAAACATGTAAGGCTTGGGTGCCTCGACCGCAAGACTTTGCCAGTATGA  
AAAGCAGAAGAAGGTTAACTTTAAACCCACCGGGTGACTACTACTAGAAGCAACATTACTACGACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100731 representing NP\_740540  
Red=Cloning sites Green=Tags

MGPVEESVERAMVRVADTVSSKPTNSEIPAL TAAETGHTSQVPSDTMQTRHVKNYHSRSESSIEINFLC  
 RSACVYYATYNNNSEKGYAEWVINTRQVAQLLRKLEFTYLRFDELETFVITSAQEPSTATSVDPVQQTQ  
 QIMYVPPGGPVPTKVTDYAWQTSTNPSVFWTEGNAPRMSIPFISIGNAYSCFYDGWTQFSRNGVYGINT  
 LNNMGTL YMRHVNEAGQGP I KSTVRIYFKPKHV KAWVPRPPRLCQYEKQKNVNFNPTGVTTTRSNITTT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001472

**ORF Size:** 837 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\_001472.1, NP\_740540

RefSeq ORF: 837 bp

MW: 31.3 kDa