

## Product datasheet for **VC100729**

### 1B(VP2) (NC\_001472) Virus Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | 1B(VP2) (NC_001472) Virus Tagged ORF Clone   |
| Tag:                      | Myc-DDK  |
| Symbol:                   | 1B(VP2)  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >The Viral ORF clone VC100729 represents NCBI reference of NP_740538 with codon optimized for human cell expression<br>Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTCCTTCAGCAGAAGAATGTGGTTACTCCGACCGAGTTCGCAGTAAACATTGGGAAATAGCACGA  
TAACCAACCAGGAATGTGCCAACGTGGTGGTGGGTACGGGGTGTGGCCTGAATACCTGAAGGATAACGA  
GGCTACTGGAGAAGACCAGCCAACCAACCGGATGTGGCCACCTGTAGATTCTATACACTGGAGAGTGTG  
CAGTGGATGAAAAATTCGCCGGCTGGTGGTGGAAACTGCCTGACGCCCTCAGCCAGATGGGATTGTTT  
GCCAGAACATGCAATACCACTACCTGGGGCGCACAGGGTACACGATTCATGTGCAGTGAATGCATCAAA  
GTTTCATCAGGGCTGCCTGCTGGTGTGCGTGCCCGAAGCTGAAATGGGATGTAGCAACTTGAACAAC  
ACGCCGAAGTTTGCCGAAGTGTGAGGCGGAGATAACGCACGCATGTTACCGATACCGAAGTAGGCACCT  
CTAATGATAAAAAAGTGCAGACAGCCGTGTGGAACGCTGGGATGGGGTGGGCGTGGGGAATTTGACCAT  
CTTCCCCATCAGTGGATCAATTTGCGGACCAATAATAGTGCCACTATTGTGCATGCCATACACTCC  
GTGCCAATGGACAATATGTATCGCCACAATAATTTGACTCTCATGATCATCCATTTGTACCCTTGAAC  
ACAGCGAAGGGTCATCACCTACGTACCCATAACTGTGACAATCGCCCCAATGTGCGCAGAATAACAACGG  
CCTCAGACTTGCCTTTCACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100729 representing NP\_740538  
Red=Cloning sites Green=Tags

MPSAEECGYSDRVRSITLGNSTITTQECANVVVGYGVWPEYLDNEATGEDQPTQPDVATCRFYLTLESV  
 QWMKNSAGWWWKLPDALSQMGLFGQNMQYHYLGRGTGYTIHVQCNAKSFHQGCLLVVCPPEAEMGCSNLNN  
 TPKFAELSGGDNARMFTDTEVGTSDNKKVQTAVWNAGMGVGVGNLTIFPHQWINLRTNNSATIVMPYINS  
 VPMDNMYRHNNLTLMIIIPFVPLNYSEGSSPYVPI TVTIIAPMCAEYNGRLRLASSQ

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001472

**ORF Size:** 792 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\_740538

RefSeq ORF: 792 bp

MW: 29.2 kDa