

Product datasheet for **VC100609**

VP2 (NC_012800) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_012800) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100609 represents NCBI reference of YP_002956098 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCCAGGACTGAGACCGGCATGATGATGGAAGATCGGGTCCTTTCCAGAACAGCCGGTAACACGT
CTGTGAATCCCAGGCTGCCAAGGGGTTTTGCAAGCCTACGGAACCGAAACCGATAGCAACAGCCCTAC
TTCCTGCGGCGATGACCCTTCCAAGGGAACACACGCAACCGACCGAGCATTGTGATTCAACTGCTGCC
TGGAAACAGACTACAAATTCATATTTTCGCTCAATGGGTTTCGCCTGACCCAGAAGCTCTCCAATAACTTG
ATGAAAACGTGATGGCAAAAACATTAATCTCACGCTTTTGCAAAGATGGGTTTCGAGGTCATGCTCCA
GGCCAACACTTCACCCTTTCATAATGGTATTTTGGGGCTGTTCTTGTGCCAGAGTTTGTAGAAAAGGA
GAGATAACCGATGAATGGATCGACCTGACCCCTACAAGCAGTCTGGTAAGTAATACTGAACCTACAATC
CCCAAACATATGCCAACTTTCCTTTTGTGCAAAACATTCTTTGATTACTCTGACATAACGCCCGAACA
ATTTATGATCTTCCCTCATCAGCTGATAAACCCTAAAGATACTAATGTGGCAACCGTTAGAGTGCCTTAC
ATTAATATCGCCCTACCAACGATACAACCGTTCATACTGTTGGACTGCTGTCGTGATGGTGTGGTGC
CCCTCAACTTTTCAAGCGGCGCTTCTCCACGGTGTCACTTACTTTGACCATCACACCTATAATTCTGT
CTTCAACGGTCTGCACCATACCGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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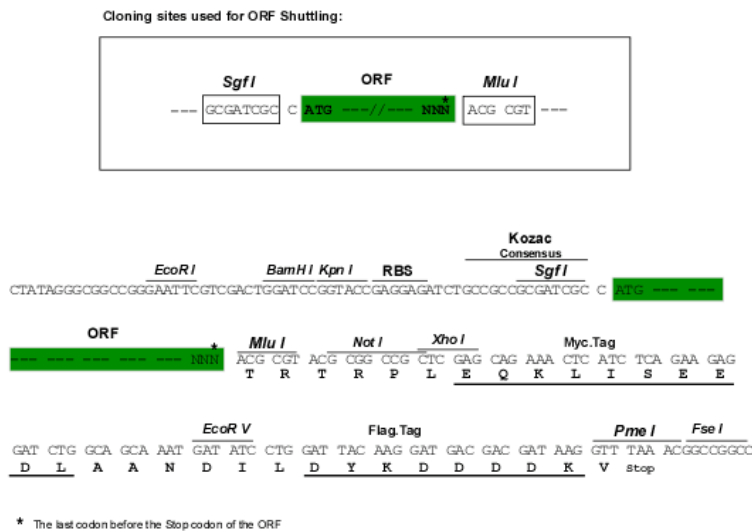
Protein Sequence: >VC100609 representing YP_002956098
 Red=Cloning sites Green=Tags

MSPRTETGMMEDRVLSRTAGNTSVNSQAAEGLVQAYGTETDSNSPTSCGDDPSKGTHTDRAFVIQLLP
 WKQTTNSYFAQWVRLTQKLSNNLHGNVMAKNIKSHAFKMGFEVMLQANTSPFHNGILGLFLVPEFVRKG
 EITDEWIDLTPSSLVSNTELYNPQTYANFPFDKHSFDYSDITPEQFMIFPHQLINPKDTNVATVRVPY
 INIAPTNDTTVHTVWTAVVMVLVPLNFFSSGASPTVSLTLTITPINSVFNGLHHTAQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_012800

ORF Size: 798 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_012800.1, YP_002956098
RefSeq ORF: 798 bp
MW: 29.4 kDa