

Product datasheet for **VC100719**

VP1 (1D) (NC_001612) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 (1D) (NC_001612) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP1 (1D)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100719 represents NCBI reference of NP_740529 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGACGGGATCGCAGATATGATAGATCAAGCCGTCACATCAAGGGTCGGAAGGGCTCTGACTTCCC
TCCAAGTGGAGCCAACCGCAGCTAACACAAATGCCTCAGAGCACC GGCTCGGCACCGGCCTGGTGCCGGC
TCTGCAGGCTGCCGAAACTGGAGCATCTAGTAATGCCAGGATGAGAATCTGATTGAGACAAGATGTGTA
CTCAACCATCACTCCACTCAGGAGACGACCATCGGGAATTCTTCTCCAGGGCCGGCCTCGTAAGCATCA
TCACGATGCCACGACAGGGACGACAGAACACGGACGGTTACGTGAATTGGGATATCGACCTGATGGGATA
CGCACAAATGCGACGCAAATGTGAGCTCTTACCTACATGCGGTTGACGACGAGTTTACATTTGTCGCC
GCCAAGCCTAACGGCGAGTTGGTGCCTCAACTTCTTCAAGTATATGTACGTGCCACCCGGCGCTCCAAAGC
CAACCAGCAGAGACTCCTTTGCGTGGCAGACAGCAACAAACCCAGCATCTTTGTGAAGCTTACTGATCC
ACCTGCTCAGGTGTCCGTCCTTTATGAGCCCGCATCAGCGTATCAGTGGTTCTACGATGGATATCCG
ACCTTCGGGGCTCATCTCAATCTAATGATGCCGACTATGGTCAGTGCCCAAATAACATGATGGGCACCT
TCTCAATTAGAACCGTCGGTACTGAAAAGTCACCCACAGTATCACACTGAGGGTGTACATGAGGATCAA
GCACGTAAGAGCTTGGATCCCGCGCCACTGAGGAATCAACCATATCTGTTCAAACGAACCCCAACTAT
AAGGGAAACGACATTAATGCACCAGCACTAGCCGGGATAAGATAAACCACCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100719 representing NP_740529
Red=Cloning sites Green=Tags

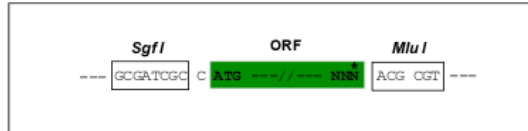
MGDGIADMIDQAVTSRVGRALTSLQVEPTAANTNASEHRLGTGLVPALQAAETGASSNAQDENLIETRCV
 LNHSTQETTIGNFFSRAGLVSIIITMPTTGTQNTDGYVNWIDILMGYAQMRRKCELFYMRFDAEFTFVA
 AKPNEGELVPQLLQYMYVPPGAPKPTS RDSFAWQTATNPSIFVKLTDPPAQVSVPFMSPASAYQWFYDGY
 TFGAHPQSNADADYGQCPNMMGTFSIRTVGTEKSPHSITLRVYMRKIHVRAWIPRPLRNQPYLFKTNPNY
 KGNDIKCTSTSRDKITTL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001612

ORF Size: 894 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_001612.1, NP_740529
RefSeq ORF: 894 bp
MW: 33.1 kDa