

Product datasheet for **VC102133**

VP1 (NC_009996) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 (NC_009996) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102133 represents NCBI reference of YP_001552435 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCCTGTAGAAGACTACATTGACAAAGTCGTGGATACCGTCTTGCAGGTTCCAACACGCAGCCTT
CTGGACCTCAGCATAGTATCCAGCCTCCGCTCTCGGAGCTATGGAGATCGGAGCCAGCAGCAGCACCAT
CCCCGGTGATCTGATTGAGACGCGGTATGTGATCAACAGCAACACTAATAGCGAGGCTCTGATCGAAAAAC
TTTATGGGCAGATCCGCTTTGTGGGCCAAGATTACAGTCGCGAATGGCTTCGCCAAGTGGGACATTAATT
TCCAGGAGCATGCCAGGTAAGGAAAAAGTTTGTAGATGTTTACATACGCAAGATTTGATATGGAAGTGAC
CGTGGTTACGAACAATACCGGTCTGGTACAGATCATGTTGTCGCGCCGGAATCGACGCTCCTGACTCT
ATTGATTCACGCCTGTGGGATAGTGCCTCAACCCAGCGTGTATATCAGCCAAATCAGGATTCGCCG
GGTTCACTATTCTTTACAGGACTGGGCTCTGCTTACTACATGTTCTATGATGGTTACGACGTGCCAAG
AAACAAGAGCAACGCGTGTACGGCATTACATCCACCAACGACATGGGAACACTGTGTTTTCGAGCATG
GAGGATACAAATGAGCATAGCATCAGGGTATTTGTTAAACCCAAACATACCATCGCCTGGATTCCCCGCC
CTCCAAGGGCTACTCAGTATACCCACAAGTTTAGCACGAACACTACCACGTAAAAAGCCCGATGATACTAC
CGGCTCTGATTAGAAACATTTATCAACCATAGAACCACATCAAGACCGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102133 representing YP_001552435
 Red=Cloning sites Green=Tags

MNPVEDYIDKVVDTVLPNTQPSGPQHSIQPSALGAMEIGASSTTIPGDLIETRYVINSNTNSEALIEN
 FMGRSALWAKIQVANGFAKWDINFQEHAQVRKKFEMFTYARFDMEVTVVNTNTGLVQIMFVPPGIDAPDS
 IDSRLWDSASNPVVFYQPKSGFPRFTIPFTGLGSAYYMFYDGYDVPNRKNSNAVYGITSTNDMGLCFRAM
 EDTNEHSIRVFKPKHTIAWIPRPPRATQYTHKFSTNYHVKKPDDTTGLLIQKHFINHRTDIKTA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009996

ORF Size: 825 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_009996.1, YP_001552435
RefSeq ORF: 825 bp
MW: 31.0 kDa