

Product datasheet for **VC100753**

coat protein VP2 (NC_002058) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	coat protein VP2 (NC_002058) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	coat protein VP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100753 represents NCBI reference of NP_740469 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCAACATCGAAGCCTGCGGCTACTCTGATCGGGTTCTGCAGTTGACCTTGGGCAATAGTACAA
TCACTACTCAGGAGGCCGCAATAGCGTGGTCGCTTATGGAAGGTGGCCGAGTATCTTCGGGACTCTGA
AGCGAAGCCAGTCGATCAGCAACCGAGCCTGATGTCGCCGCATGCCGATTTACACCTTGATACAGTT
AGTTGGACCAAGAGAGCAGGGGTGGTGGTGAAGTTGCCAGACGCCTTGCGCGATATGGGTCTGTTTCG
GCCAGAATGTATTACCACTATCTGGGCAGGTCCGGCTACACGGTGCACGTGCAGTGTAAATGCCTCAAA
ATTCCACAGGGTGCTCTCGGAGTGTTCTGTTCCCGAGATGTGTCTGGCCGGCGACAGTAACACCACA
ACTATGCACACATCCTACCAGAACGCCAATCCCGGGGAAAAAGGGGTACTTTCACAGGGACATTTACAC
CGGACAATAACCAGACATCTCCAGCGCGGAGGTTCTGTCCGGTCGACTATCTCCTTGGCAATGGCACCTT
GCTGGGTAAATGCCTTTGTGTTCCCCACCAATTATAATCTGAGGACTAATAACTGCGCCACTTTGGTC
TTGCCTTATGTAACTCTCTGTCCATCGATAGCATGGTGAAGCACAACAATTGGGAATCGCGATCTCC
CCCTCGCCCCCTCACTTTGCCTCAGAGTCAAGCCCCGAGATCCCATCACACTCACCATTGCCCTAT
GTGCTGTGAGTTCAATGGCCTCAGGAATATAACATTGCCCGGTTGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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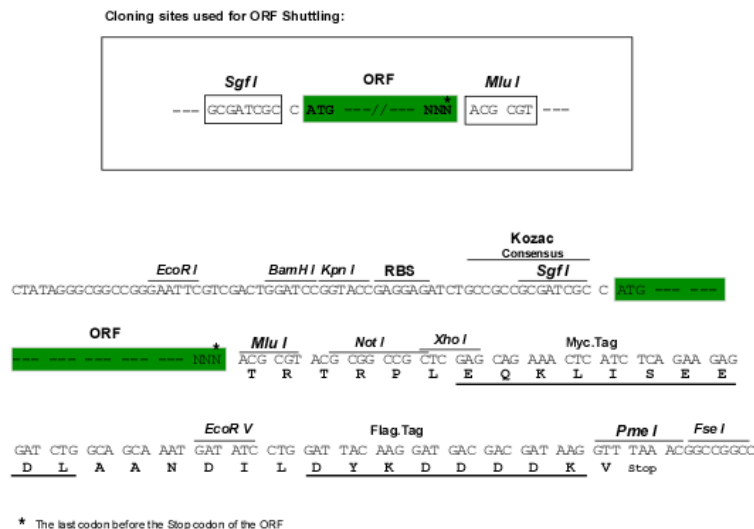
Protein Sequence: >VC100753 representing NP_740469
 Red=Cloning sites Green=Tags

MSPNIEACGYSDRVLQLTLGNSTITTQEAANSVVAYGRWPEYLRDSEANPVDQPTPEPDVAACRFYTLDTV
 SWTKESRGWWKLPDALRDMGLFGQNMYYHYLGRSGYTVHVQCNAKFHQGALGVFAVPEMCLAGDSNTT
 TMHTSYQNANPGEKGGTFTGTFTPDNNQTSPPRRFCPVDYLLGNGTLLGNAFVFPHQIINLRTNNCATLV
 LPYVNSLSIDSMVKHNNWGIAILPLPLNFASESSPEIPITLTIAPMCCEFNGLRNITLPRLO

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_002058

ORF Size: 819 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_002058.3, NP_740469
RefSeq ORF: 819 bp
MW: 30.2 kDa