

Product datasheet for **VC102168**

capsid protein VP2 (NC_010810) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	capsid protein VP2 (NC_010810) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	capsid protein VP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102168 represents NCBI reference of YP_001950223 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCAAGACACCGAAGAGATGACGAACTTGAGCGATCGGGTCTCCAGCGACTGCCGAAACACAG
CCACGAACACACAGAGTACAGTGGGACGACTTTTCGCCTTCGGAACACGGCACAAGGGAAAGCATCCGGC
CAGTTGTGCAGATACAGCCACAGATAAGGTCTGGCCCGGAAAGATACTACACCTTCAAATTTGCTACA
TGGTCAACACAGAAGGCGTTTGTACAGTGCAGTACCATTCCTCCACAGTGTCTGGCAGCAAGGGCG
GAGTCTTCGGCTCCACCTGCGACGACACTACTTGTGCAAATGTGGTGGAGGATCCAGGTCCAGTGCAA
CGCATCCAATTTTCATGCCGGGAGCCTCCTCGTTTTTCATGGCACCGGAGTTCGACACATCCCCTTACAAC
GCAACAACAGAACCTACTAAGGCAGTGCCTTTTCAGATGGACACCCAGTGGCAATCCGGGAAGCTGCTGG
GCCATAGTTACGAGAGTACCACACTTCAAGGTCTGCGGCCGCTCGCCCTCAACCACCAGAACCATTGGCA
ATGGACCGTCTATCCTCACCAGATCCTCAACCTGCGCACCAATACTACCTGCGATCTTGAGGTCCCGTAT
GTGAACATCTGCCAACTTCTTCATGGACCCAGCATGCCAATTGGGTGTTGGTTGTGGCAGTGTGAGCC
CTCTCCAGTACTCTCTGGGAGCTCTCAAACGTGGATATCACCGTCTCAGTGCAGCCAGTCAAGCCGT
ATTTAACGGCTTGAGACATACAGTCTGGAGGATCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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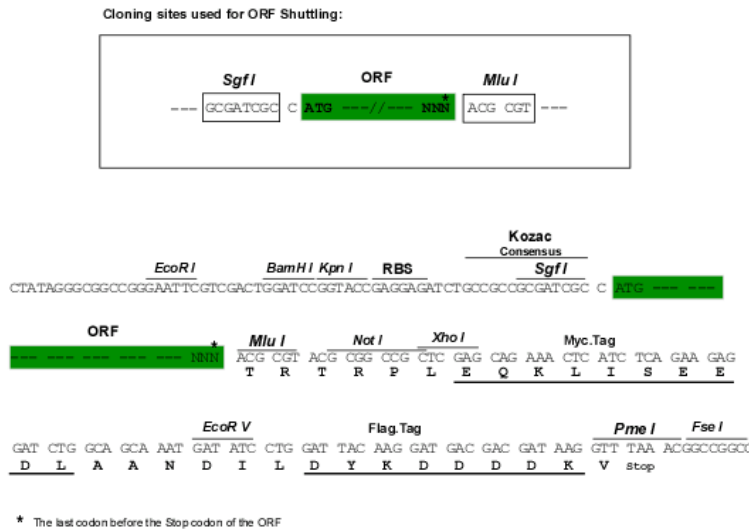
Protein Sequence: >VC102168 representing YP_001950223
 Red=Cloning sites Green=Tags

MDQDTEEMTNLSDRVSSDTAGNTATNTQSTVGRLEAFGTRHKGKHPASCADTATDKVLAERYTFFKIAT
 WSTQKAFDHRIPFPHVLSGSKGGVFGSTLRRHYLCKCGWRIQVQCNASQFHAGSLLVFMapefDTSPYN
 ATTEPTKAVPFQMDTQWQSGKLLGHSYESTTLQGLRPLALNHQNHQWTVYPHQILNLRNTTCDLEVPY
 VNICPTSSWTQHANWVLVAVLSPLQYSSGSSPNVDITVSVQPVKPVFNGLRHTVLEDQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_010810

ORF Size: 807 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_010810.1, YP_001950223](#)
RefSeq ORF: 807 bp
MW: 30.0 kDa