

Product datasheet for **VC100755**

coat protein VP1 (NC_002058) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	coat protein VP1 (NC_002058) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	coat protein VP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100755 represents NCBI reference of NP_740471 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGCTTGGGCCAGATGTTGGAATCCATGATCGATAACACAGTGC GCGAGACAGTGGGTGCAGCCACGA
 GCAGAGACGCACTCCCAAATACTGAAGCAAGCGGCCCTACTCACAGCAAGGAAATCCCTGCCTTGACTGC
 CGTCGAGACAGGCGCCACCAATCCGCTGGTGCCATCTGATACCGTCCAGACCAGGCACGTGGTGCAGCAT
 CGTCCCCGAAGCGAGTCTAGCATTGAGTCATTTTTCGCGGGGAGCATGCGTAACAATTATGACCGTAG
 ATAACCCCTGCCTCTACGACGAACAAGGACAAGCTGTTTCGCGGTATGGAATAAACCTATAAGGATACCGT
 GCAGCTGCGCCGAAAGCTGGAGTTTTTCACCTACTCCCGTTTGATATGGAGCTGACCTTCGTGGTCACT
 GCAAATTTTACAGAAACAAACAATGGCCACGCCCTTAATCAGGTATACCAAATCATGTACGTTCCACCTG
 GCGCACCTGTCCCGAGAAATGGGACGACTATACTGGCAAACAGTTCAAACCAAGTATTTTTTACAC
 CTATGGCACCGCCCCGCGGATTTCCGTACCATACGTTGGAATCAGCAACGCATATTTCCATTCTAC
 GATGGGTTTTCAAAGGTGCCTCTTAAAGATCAGTCCGCGCCTTGGGAGACTCTTTACGGGGCCGCGT
 CCTTGAATGACTTCGGCATACTGCAGTAAGGGTGGTTAATGATCACAATCCCACTAAAGTGACCTCCAA
 AATAAGAGTTTACCTTAAACCTAAGCACATCCGGGTGTGGTGTCTAGACCTCCAAGAGCTGTGGCTTAC
 TACGGGCCAGGGTTGATTACAAGGACGGAACCTTACTCCACTCAGTACCAAGGATCTTACTACCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >VC100755 representing NP_740471
 Red=Cloning sites Green=Tags

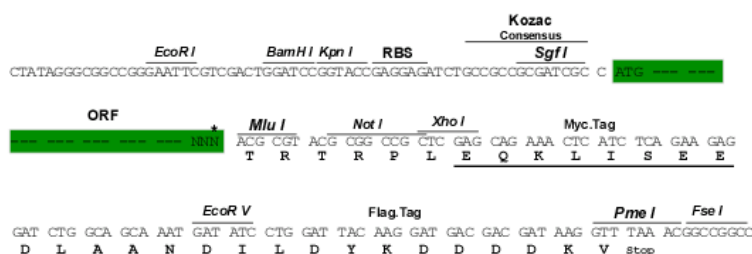
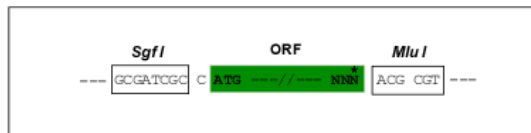
MGLGQMLESMIDNTVREI VGAATSRDALPNTEASGPTHSKEIPALTAVETGATNPLVPSDTVQTRHVVQH
RSRSESSIESFFARGACVTIMTVDNPASTTNKDKLFAVWKITYKDTVQLRRKLEFFYYSRFMELTFVVT
ANFTETNNGHALNQVYQIMYVPPGAPVPEKWDYTWQTSNPSIFYTYGTAPARISVPYVGISNAYSHFY
DGF SKVPLKDKQSAALGDSL YGAASLNDFGILAVRVVNDHNPTKVT SKIRVYLKPKHIRVWCPRPPRAY
YGPGVYDKDGLTLP LSKDLTTY

TRTRRL**E**QKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC 002058

ORF Size: 909 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_740471
RefSeq ORF: 909 bp
MW: 33.6 kDa