

Product datasheet for **VC101019**

EBNA-2 (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EBNA-2 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EBNA-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101019 represents NCBI reference of YP_001129441 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAACTTATTACTTGGCTCTGCACGGAGGTCAATCTTATAATCTCATTGTGGACACGGATATGAGCG
 GGAACCCCTTCCCTGAGCGTGATTCTACAAATCCCTACCAGGAGCAGCTGTCTAAACAACCCGCTGATCCA
 ACTTCAGATTGTGGTTGGGGAGAATACAGGAGCTCCAGCCCCGCCTCAGCCTCCGCCACCCCCACCCCC
 CCACCTCCACCAGAGAGACGAGACGCTTGGACGCAGGAACCCCTTGCCTTTGACATGAATCCCCTGGGTA
 GCGACGCTAGTCAGGGACCTCTCGCATCCAGCATTAGAATGCTTTGCATGGCCAGTACTTGCTCCGCAA
 CGCTAGAGGACAACAGGGTCTTCTAGACCCCTGGGTCTCAGACCCGGTCCCAGGTGACCTCGAGAGG
 CAGCCCGTGCACAACCAAGGCAGGAGGCTCCAATCATCTTCTGCAGAGTCTGCACCGCCACGCTTCA
 CCCCCGTGCCGATGGTCGCTCTGGGACACACCCTCAACCTACCCCCCTCCCCGCCTACTCTGCCCA
 GCCAGAATTCCGTTGATCATCCCCCAGACACACCAATCAGCCTGCAACCACACCCCCACGGCCCT
 CAGCGCCTTACATTGGGGCACCAGTTGAGTCTGCCTCCGCATCCGCCCCACACCACTACACCTCATT
 GCTCTAGTGACAGTACAGGATTGCCACCACCTCTACAAGTTACTCAATTCCTTCTATGACTCTGTCTCC
 AGAACCTTTGCCACCGCCCGCAGCCCCAGCTCACCCACTGCCTGGAGTCATTTATGACCAGCAAGCCCTT
 CCACCTACCCCTGGTCCCCCTGGTGGCTCCCGTGCGGACCCAACCCCAACTACACAGACACCCCAA
 CAAACTAAGCAGGGACCATCAGGGCCAGGGAAGGGGAGATGGCGCGGAGGGGCAGGTCCAAGGG
 CCGGGGCAGAATGCATAAGTTGCCTGAACCACGGAGGCCCGCCCTGATACGCTAGCCCCAGCATGCCT
 CAGCTGTCTCCAGTTGTAGTCTCCACCAGGGCAAGGCCAGAGAATTCCTCAACTCCCCGCCCTCCA
 CGGCTGGCCAGTCTGCCGGGTGACCCCTCAGCCACCCAGATATCTCTCCAATACACGAACCCGAATC
 CTCTGATTCTGAGGAACCGCCTTCTCTTCCCTCTGATTGGTATCCGCCTACCCTGAACCTGCCGAG
 CTCGATGAAAGCTGGGAGGGCATCTTCGAAACCAGGAGTCCCATTCTCAGATGAGGAAAATGTGGCG
 GTCCTAGCAAAAGACCCAGGACAAGCACTCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101019 representing YP_001129441
Red=Cloning sites **Green**=Tags

MPTYYLALHGGQSYNLIIVDTMSGNPSLSVIPTNPYQEQLSNNPLIQLQIVVGENTGAPAPPQPPPPPP
 PPPERRDAWTQEPLPLDMNPLGSDASQGPLASSIRMLCMAQYLLRNARGQQGLLRPLGPQTRSQVTLER
 QPVHNPRQEAPIILLQSPAPPRFTPVPMVALGHTLQPTPPRPTLPQPRIPLIIPRHTNQATTPTTAP
 QRLTLGHQLSLPPHPPHQSTPHCSSDSTGLPPPPSYSIPSMTLSPELPPPAAPAHPLPGVIYDQQAL
 PPTPGPPWPPVRDPTTQTPTNTKQGPDQGRGRWRGRGRSKGRGRMHKLEPRRRGPDTSPPSMP
 QLSPVVSLHQGGPENSPTPGPSTAGPVCRVTPSATPDISPIHEPESSDSEPPFLFPSDWYPPTLEPAE
 LDESWEIGIFETTESHSSDEENVGGPSKRPRSTQ

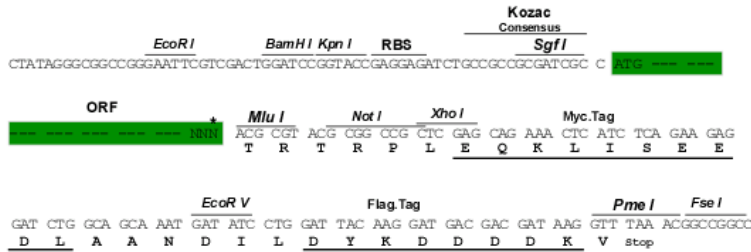
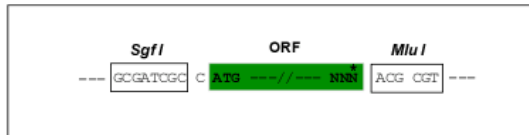
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_009334

ORF Size: 1362 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_009334.1](#), [YP_001129441](#)
RefSeq ORF: 1362 bp

Locus ID: 5176198

MW: 49.0 kDa