

Product datasheet for **VC102518**

envelope protein (NC_009942) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	envelope protein (NC_009942) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	envelope protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC102518 represents NCBI reference of YP_001527880 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCAATTGTCTTGGCATGAGCAATCGAGACTTTCTGGAAGGCGTCTCAGGCGGACATGGGTGGACC
 TGGTGCTCGAGGGAGATTCATGCGTCACGATTATGTCTAAGGATAAACCTACCATAGATGTGAAAATGAT
 GAACATGGAAGCTGCAAACCTGGCAGAAGTCCGGTCTTACTGTTATTTGGCAACCGTCTCTGACCTGTCC
 ACAAAGCAGCATGCCAACTATGGGTGAGGCACACAATGACAAGAGAGCCGATCCCGCTTTTGTCTGCC
 GCCAAGGCGTTGTGACCGCGGGTGGGCAACGGATGTGGACTCTTCGGGAAAGGTAGCATAGACACTTG
 CGCCAAATTTGCCTGTAGTACGAAAGCCATTGGCAGGACAATACTGAAAGAAAACATCAAGTATGAAGTT
 GCTATCTTTGTACATGGCCTACAACAGTCGAAAGCCACGGTAATTATCAACTCAAGTGGGAGCTACGC
 AAGCCGCGAGTTGAGCATTACTCTGCCGCACCTCCTACACTCTCAAAGTGGTGAATACGGGGAGGT
 GACGGTGGACTGTGAGCCTCGCTCCGGAATCGATACAAACGCATACTACGTTATGACTGTTGGGACCAAA
 ACGTTCCTGGTCCATCGAGAGTGGTTCATGGATCTGAACCTGCCCTGGTCTTCGCGCGGAAGTACGGTCT
 GGCGAAATAGAGAAAATTGATGGAGTTTGAAGAACCCACGCTACCAAGCAAAGTGTATAGCCCTTGG
 CTCACAGGAGGGCGCCCTCCACCAGGCACTGGCCGGGCAATCCCGTTGAGTCTCTAGCAATACTGTG
 AAATTTACGAGTGGCCATCTGAAGTGCAGGGTTAAGATGGAAAAGCTGCAGCTGAAGGGCACAACATACG
 GAGTATGTTCTAAAGCATTTAAATTTCTTGAACCCCTGCAGATACCGGACATGGCACAGTGGTCTTGA
 ACTTCAGTATACTGGAACCGATGGCCATGCAAGGTGCCTATAAGCAGCGTTGCCAGTTTGAATGATCTC
 ACTCCTGTGGCCGACTCGTAACCGTTAACCCATTCGTTTCTGTGGCGACCGCAACGAAAGGTGTTGA
 TAGAGCTGGAGCCCGTTTCGGGGACTCTTATATCGTGGTTGGCCGCGGGGAACAGCAGATAAACCATCA
 TTGGCACAAAGTCCGGTAGTAGCATAGGCAAGGCATTCACTACTACCCCTAAAGGAGCTCAGAGACTCGCC
 GCTCTGGGAGATACCGCTTGGGACTTTGGCAGTGTGGCGGCGTATTTACTAGCGTCGGTAAAGCTGTAC
 ATCAGGTTTTTCGGCGGTGCCTTTAGATCCTTGTGGGGGAATGCTCTGGATTACCCAGGGTCTTCTGGG
 AGCCCTCCTTTTGTGGATGGGGATCAACGCCGAGACCGCTCCATTGCCCTTACTTTCTCGCCGTGGGA
 GGAGTGTGTTGTTTTGTCTGTGAACGTGCATGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102518 representing YP_001527880
 Red=Cloning sites Green=Tags

MFNCLGMSNRDFLEGVSGATWVDLVLEGDSCVTIMSKDKPTIDVKMMNMEANLAEVRSYCYLATVSDLS
 TKAACPTMGEAHNDKRAPAFVCRQGVVDRGWNGCGLFGKGSIDTCAKFACTKAIGRTILKENIKYEV
 AIFVHGPTTVESHGNYSTQVGATQAGRLSITPAAPSYTLKLEGEVETVDCEPRSGIDTNAYYVMTVGTK
 TFLVHREWFMDLNLPWSSAGSTVWRNRETLMEFEEPHATKQSVIALGSQEGALHQUALAGAIPEVFSNTV
 KLTSGLHKCRVKMEKLQKGTTYGVCSKAFKFLGTPADTGHGTVVLELQYTGTDGPCKVPISSVASLNDL
 TPVGRLLTVNPFVSVATANAKVLEIEPPFGDSYIVVGRGEQQINHHWHKSGSSIKAFTTTLLKGAQRLA
 ALGDTAWDFGSGVGVFTSVGKAVHQVFGGAFRSLFFGGMSWITQGLL GALLLWMGINARDRSIALTFLAVG
 GVLLFSLVNVHA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_009942

ORF Size: 1506 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009942.1, YP_001527880](#)

RefSeq ORF: 1506 bp

MW: 53.7 kDa