

Product datasheet for **VC102506**

envelope protein (NC_001563) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	envelope protein (NC_001563) 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 VC102506 represents NCBI reference of NP_776014 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGTTTAAATTGTCTCGGGATGAGTAACAGAGACTTCTTGAGGGGGTGAGCGGCCAACCTGGGTGGATC
 TGGTACTCGAGGGGGACTCCTGCGTCACCATTATGTCAAAGACAAGCCACCATCGACGTGAAGATGAT
 GAACATGGAGGCCGGAATCTCGCCGATGTGCGCAGTTATTGCTACCTGGCCTCAGTCTCAGATCTGTCC
 ACAAGAGCTGCCTGTCTACAATGGGTGAGGCCACAACGAGAAACGCGCCGACCCTGCATTTGTGTGTA
 AGCAAGGCGTGGTTGATAGGGGATGGGGTAATGGTTGCGGCTCTTTGGAAAGGGGTCCATAGATACATG
 CGCAAGTTTGTGCACAATAAAGCGACCGGATGGATCATTCAAAGGAGAACATAAAGTACGAAGTA
 GCAATATTTGTGCACGGTCTACTACAGTGGAGTCTCACGGCAAATCGGTGCAACGCAGGCCGGGAGGT
 TCAGTACTACTCCAGCGCTCCTAGTTATACACTGAAGCTGGGCGAATACGGAGAGGTGACTGTGCGATTG
 TGAGCCTCGCAGCGGGATCGACACTTCTGCATATTATGTCATGTGAGTCCGCGAGAAGAGCTTCTCGTT
 CACAGAGAATGGTTCATGGATCTGAATCTGCCGTGGTCTCAGCCGCGAGCACAACATGGAGGAACCGCG
 AGACTCTCATGGAGTTCGAAGAACCACACGCCACGAAACAGTCTGTCTGGCGCTTGGGTACAGGAGGG
 AGCCCTGCACCAGGCTCTGGCGGGGCCATACCAGTGAATTCAGCTCTAACACTGTGAAGCTGACCAGT
 GGACACCTGAAGTGTGCGGTTAAGATGGAGAAGCTCCAGCTGAAGGGTACCACTTACGGTGTATGCTCTA
 AAGCATTCAAGTTTCAAGGACACCCGCCGACACAGGGCATGGCACCGTGGTGTGGAAGTGCAGTACAC
 TGGAACAGACGGCCCATGTAAGTGCCTATTTCTTCTGTGGCCAGTCTGAATGACCTGACTCCAGTGGGA
 CGCCTCGTAACCGTGAATCCATTTGTGAGCGTGGCTACTGCTAACTCAAAGTGCATAGAACTGGAGC
 CCCCTTTTGGCGACAGTTACATCGTGGTGGCAGAGGTGAGCAGCAGATCAACCATCACTGGCACAAAGAG
 CGGCTCCTCTATCGGGAAGGCATTTACAACCACTCTGCGCGGAGCCCAACGACTCGCAGCGTTGGGAGAT
 ACGGCTTGGGATTTTGGTAGTGTGGCGGGGTTTTACCTCAGTGGGCAAAGCCATTTCATCAGGATTTCCG
 GCGGGGCTTCCGCAGCCTCTTTGGAGGCATGAGCTGGATTACACAGGGGTTGCTGGGAGCACTGCTGCT
 GTGGATGGGGATTAACGCCCGCATAGGTCTATAGCCATGACATTTCTGGCTGTGGGAGGGTCTGCTGCT
 TTCCTGTCTGTAATGTGCACGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102506 representing NP_776014
 Red=Cloning sites Green=Tags

MFNCLGMSNRDFLEGVSGATWVDLVLEGDSCVTIMSKDKPTIDVKMMNMEANLADVRSYCYLASVSDLS
 TRAACPTMGEAHNEKRADPAFVCKQGVVDRGWNGCGLFGKGSIDTCAKFACTTKATGWIIQKENIKYEV
 AIFVHGPTTVESHGKIGATQAGRF SITPSAPSYTLKLG EYGEVTV DCEPRSGIDTSAYYVMSVGEKSFV
 HREWFMDLNL PWSSAGSTWRNRETLMEFEEPHATKQSVVALGSQEGALHQALAGAI PVEFSSNTVKLTS
 GHLKCRVKMEKLQLKGTTYGVCSKAFKFARTPADTGHGTVVLELQYTGTDGPCKVPISSVASLNDLTPVG
 RLVTVPNPFVSVATANSKVLIELEPPFGDSYIVVGRGEQQINHHWHKSGSSIGKAF TTTLRGAQR LAAALGD
 TAWDFGSVGGVFTSVGKA IHQVFGGAFRSLFGGMSWITQGLLGALLLWMGINARDRSIAMTF LAVGGVLL
 FLSVNVHA

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001563

ORF Size: 1494 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_001563.2](#), [NP_776014](#)

RefSeq ORF: 1494 bp

MW: 53.5 kDa