

Product datasheet for **VC102155**

p21E envelope protein (NC_001488) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p21E envelope protein (NC_001488) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	p21E 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 VC102155 represents NCBI reference of NP_041006 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAACGTGTTCTTCTGCTTCTGTTAGTCTCACTCATTTCCCTTTGGCCAGCAGTCCCGCTGTA
 CACTGACTATAGGCATTAGCTCTTACCACAGTTCCTCGTAGCCCTACCAACCTGTTTGCACATGGAA
 CCTGGACTTGAATAGTTTACTACCGACAGAGGCTGCACCTCCATGTCCAAATCTGATTACTTACTCC
 GGCTTCCACAAGACATACAGTCTCTACCTGTTCCACACTGGATTAAGAAACCAACAGGCAGGGTCTCG
 GATACTACTACCAAGTTATAACGACCCATGCAGCTTGCAGTGTCCGTATCTCGGATGTCAGGCTTGGAC
 CTCCGCTACACCGACCTGTGTCCAGTCCAGCTGGAAGTTCATTCTGACGTGAACCTTACCCAGGAA
 GTTAGCCAAGTCTCACTGAGACTCCACTTCTAAGTGCGGGAGCAGTATGACTTTGCTGGTCGACGCTC
 CCGGCTACGACCCTTTGTGGTTTATTACTAGTGAGCCACTCAGCCTCCACCCACTAGCCCCCTCTCGT
 GCACGACTCCGACCTGGAGCACGTTCTCACTCCATCCACATCCTGGACTACCAAGATCCTCAAGTTCATC
 CAACTCACCTTCAGTCCACTAATTACAGCTGTATGGTATGCGTCGACCGAAGTTCTCTGTCTCTCTGGC
 ACGTGCTGTACACTCCCAATATCTCCATTCGCGACGAGACATCATCCAGAACCATCCTGTTTCTAGCCT
 GGCCCTGCCCCTCCACCCAGTCAGCCCTTCCCTTGGACCCACTGTTATCAACCTCGGCTGCAGGCAATA
 ACTACGGACAATTGTAACAATCAATCATCCTTCCCCCTTCTCTTGGCCCGGTGCCACCCCGGCCA
 CTCGACGACAGCAGCAGTTCCTTGTGTTGGCTCGTTAGCGCGCTGGCAGCCGGCACTGGCATTGC
 TGGAGGCGTGACGGGCTCTCTGAGCCTGGCATCCAGCAAGTCTCTCTGCTGGAGGTAGATAAGGATATA
 TCCCATCTCACCCAGGCCATCGTGAAGAACCACAGAATATCCTCCGCGTCGCCAGTACGCCGCCAGA
 ACCGACAGAGCCCTGGATCTGCTGTTTTGGGAACAGGGAGGATTGTGAAGGCTATCCAAGAACAGTGCTG
 TTTTCTGAACATATCAACACACATGTGTCCGTGCTGCAGGAGCGCCACCACTTGAGAAGCGAGTCATC
 ACAGGATGGGGCCTTAATTGGGATCTTGGGTTGTCCAGTGGGCCAGGGAGGCTCTGCAGACCGGAATTA
 CAATACTTGCACTGCTGCTGCTGGTATCCTTTTCGGGCCATGCATCCTGAGACAGATCCAGGCCCTGCC
 ACAGCGCTGCAGAACAGACACAACCAGTACAGCCTGATCAATCCCGAGACCATGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102155 representing NP_041006
 Red=Cloning sites Green=Tags

MGNVFFLLLFSLTHFPLAQQRCTLTIGISSYHSSPCSTQPVCTWNLDLNSLTDDQRLHPPCPNLITYS
 GFHKYTSYLYLFPHWIKKPNRQGLGYSPSYNDPCSLQCPYLGCAWTSAITGPVSSPSWKFHSDVNFTQE
 VSQVSLRLHFSSKSSMTLLVDAPGYDPLWFITSEPTQPPPTSPPLVHDSLEHVLTPSTSWTTKILKFI
 QLTQLSTNYSCMVCVDRSSLSSWHVLYTPNISIPQQTSSRTILFPSLALPAPPSQFPWTHCYQPRQLAI
 TTDNCNNSIILPPFSLAPVPPPATRRRAVPIAVWLVSALAAGTGIAGGVTGSLSLASSKSLLEVDKDI
 SHLTQAIYKNHQNILRVAQYAAQNRRGLDLLFWEQGGCKAIQECCFLNISNTHSVLQERPPLEKRV
 TGWGLNWDLGLSQWAREALQTGITILALLLVILFGPCILRQIQALPQRLQNRHNQYSLINPETML

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001488

ORF Size: 1458 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_001488.1](#), [NP_041006](#)

RefSeq ORF: 1458 bp

Locus ID: 1491942

MW: 54.2 kDa