

Product datasheet for **VC102158**

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)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102158 represents NCBI reference of NP_954569 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCAGTCCCCATCGCCGTATGGCTGGTTAGCGCACTTGCCGCTGGGACCGGCATCGCCGGTGGCGTTA
 CGGGGAGCTTGTCACTCGCATCTTCTAAGTCTCTGCTGCTGGAGGTGGATAAGGATATTAGCCACCTTAC
 GCAGGCAATCGTAAAAATCACCAAAATATCCTGAGAGTTGCACAGTACGCCGCTCAGAACAGGAGAGGA
 CTGGATCTGCTTTTTGGGAGCAGGGCGGGCTGTGTAAGCGATCCAGGAGCAGTCTGCTTTCTGAATA
 TATCTAACACGCATGTGTCACTGCTGCAGGAGCGCCCCCACTCGAGAAGCGAGTGATCACCGTTGGGG
 CTTGAACTGGGACCTGGGCTTTTCACAATGGGCGCGAGAGGCGTTGCAGACCGGTATCACTATACTGGCT
 CTGCTTTTGTGTTATCCTGTTTCGGGCTTGCACTTCTTCGGCAAATTCAGGCATTGCCGAGCGCTTGC
 AGAATCGGCACAATCAGTACAGCCTGATTAATCCAGAAACCATGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC102158 representing NP_954569 Red=Cloning sites Green=Tags
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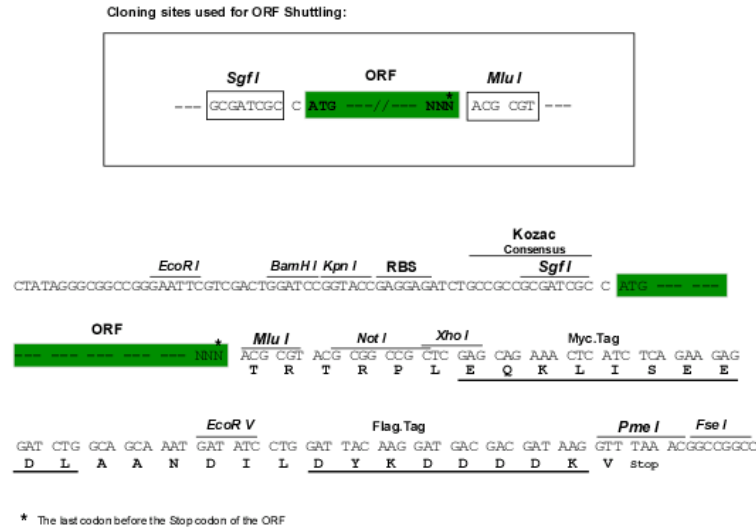
MAVPIAVWLVSALAAGTGIAGGVTGSLSLASSKSLLEVDKDISHLTQAIKVNHNILRVAQYAAQNRRG
 LDLLFWEQGLCKAIQECCFLNISNTHVSVLQERPPLEKRVITGWGLNWDGLSQWAREALQTGITILA
 LLLLVIILFGPCILRQIQALPQLQNRHNQYSLINPETML

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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Cloning Scheme:



ACCN:	NC_001488
ORF Size:	537 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_954569
RefSeq ORF:	537 bp
MW:	19.7 kDa