

Product datasheet for **VC100208**

E4 34K (AC_000018) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E4 34K (AC_000018) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E4 34K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100208 represents NCBI reference of AP_000566 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGGGTCCAATTCTATAATGACCAGACTTAGGGCTCGGTCCACATCATGTGCTAGACACCATCCCT
ACACCCGCGCCAGCTTCCAAGATGCGAAGAAAATGAAACCAGAGCATCTATGACAGAAGATCATCCGCT
GCTGCCAGACTGTGATACTATGACTATGCACTCAGTATCTTGTGTGCGCGCCCTCCCCTGCAGCGCCAGT
TTCACAGTCTGCAGGAGTTTCTATTCCCTGGGATATGTTTCTGAACCCGGAGGAACCTCCGCATCATGC
GCAGGTGTATGCACCTGTGCCTGTGCTGTGCCACAATTGATATCTTCTACAGTCAGGTGATCCACGGGAG
AGAAAATTGGTACTGCACTGCCACTGCAACCCGAGGGATCTTTCAGTGTATGGCAGGCGGTGCCGTT
CTGGCAGTGTGGTTTCGAAAAGTCATCCTGGGGTGTATGATTAACCAGCGGTGCCCTTGGTACAGACAAA
TAGTAAATATGCACATGCCTAAGGAAAATATGTATGTAGGGTCAGTATTCTGAGAGAGAGGCATCTGAT
CTACATCAAAATCTGGTATGATGGACACGCCGCGGATAATTAGCGATATGAGTTTTGGATGGTCTGCT
TTCAATTACGGCTTGTGAACAATATCGTGATCATGTGCTGTACCTATTGTTCAAATCTGTCGAGATTC
GGATGCGGTGCTGTGCCACAGAACCCGGAAGTTGATGCTTCGAGCTATCAAAATCATGTTGCAGGATAC
CGTGGACCCAGATCCAATCAACTCTTACGGACGGAGCGCAGAAGGCAGCGCCTGCTCGTGGCTTGATG
CGACACAACCGCCCTATTCTTTTTTCAGATTACGATTCTACCGGAGCTCTTCTCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100208 representing AP_000566
Red=Cloning sites Green=Tags

MSGSNSIMTRLRARSTSCARHHPYTRAQLPRCEENETRASMTEDHPLLPCDPTMTMHSVSCVRGLPCSAS
 FTVLQEFPIPWDMFLNPEELRIMRRCMHLCLCCATIDIFYSQVIHGRENWVLHCHCNRQGSLLQCMAGGAV
 LAVWFRKVIILGCMINQRCPWYRQIVNMHPKEIMYVGSVFLRERHLIYIKIWDYDGHAGAIISDMSFGWSA
 FNYGLLNNIVIMCCTYCSNLSEIRMCCAHRTRKLMRLRAIKIMLQDTPDPDPINSSRTERRRQLLVGLM
 RHNRPPIPFSDYDSHRSSSR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: AC_000018

ORF Size: 897 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: AC_000018.1, AP_000566
RefSeq ORF: 897 bp
MW: 34.8 kDa