

Product datasheet for **VC100278**

E4 (NC_001460) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E4 (NC_001460) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100278 represents NCBI reference of NP_040934 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAAGGGACCGAAGATACCGATATAGGCTGGCTCCGTACAACAAGTATCAACTGCCACCTTGTGAAG
AACAAAGTAAGGCAACCCCTTAGCACAAGCGAGAAGTCACTGTGGCCAGAGTGCAACTCACTGACCCTGCA
TAACGTATCTGAAGTTAGGGGCATACCCATGCGTCGGGTTACAGTGCAGGAATGGCCAATCCCT
TGGGATATGATTCTGACTGACTACGAGATGTTTATCCTGAAAAAGTATATGTCTGTGTATGTGCTGCG
CTACAATTAACGTGGAAGTCACACAGCTCCTGCACGGACATGAACGCTGGCTTATCCACTGCCACTGCCA
GAGGCCTGGATCCCTGCAGTGTATGTCCGCTGGCATGCTGCTGGGACGGTGGTTCAAGATGGCCGTGTAC
GGAGCCCTCATCAACAAGCGCTGTTTTGGTACAGAGAGGTTGTCAATCACCTCATGCCAAAGGAGGTTA
TGTATGTAGGCAGCACATTTGTTTCGAGGTAGGCACCTGATCTATTTTAAGATCATGTACGATGGGCACGC
ATGGCTGGCGCTGGAGAAAGTCTCATTGGCTGGTCTGCATTCAACTACGGCATCCTGAATAACATGCTG
GTCTTGTGTTGCGACTATTGTAAGACCTCCTCCGAAATAAGGATGAGATGTTGCGCAAGGCGAACGAGGC
TCTTGATGTTGAAGTTCGTGCAGGTGATCGCCGAGAATACTGTGCGGCCCTGAAGCACAGCCGACACGA
ACGCTATAGGCAGCAGCTGCTGAAGGACTGATCATGCACCATCGCGCCATCCTGTTGCGGATTATAAT
CAGCGCGAAAATCCCTGGGCCGGACGGCCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100278 representing NP_040934
Red=Cloning sites Green=Tags

MQRDRRYRYRLAPYNKYQLPPCEEQSKATLSTENSLWPECNSLTLHNVSEVRGIPSCVGFVTLQEWPPI
 WDMILTDYEMFILKKYMSVCMCCATINVEVTQLLHGHERWLIHCHCQRPGLQCMSAGMLLGRWFKMAVY
 GALINKRCFWYREVVNHLMPKEVMYVGSTFVRGRHLIYFKIMYDGHAWLALEKVSFGWSAFNYGILNML
 VLCCDYCKDLSEIRMCCARRTRLLMLKVVQVIAENTVRPLKHSRHERYRQQLKGLIMHHRAILFGDYN
 QRENPWAAADGH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001460

ORF Size: 873 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_001460.1](#), [NP_040934](#)
RefSeq ORF: 873 bp
Locus ID: 1460865
MW: 34.4 kDa