

## Product datasheet for **VC100494**

### **E4 (NC\_003266) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	E4 (NC_003266) 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 VC100494 represents NCBI reference of YP_068050 with codon optimized for human cell expression <b>Red</b> =Cloning site <b>Blue</b> =ORF <b>Green</b> =Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGCGGCAATAGTTCTATTATGACAAGATCAAGGACCCGCCTGGCCCTCAGCAGACATCACCCATACC  
AACCTCCCGCAACTCTGCCAAGATGTGAGGAGACTGAATCACGCGCTAGTCTGGTCGAGGACCATCCTGT  
GTTGCCCGACTGCGACACACTGAGTATGCACAACGTGAGCAGCGTAAGAGGCCTGCCTTGTCTGCTGGA  
TTCACGGTCTGCAAGAATTTCTGTACCCTGGGACATGGTACTGACGCCTGAAGAGCTGAGGGTCTGA  
AGACCTGTATGTCACTGTCTGTGCTGCGCTAACATTGACCTGTTCTCAAGCCAACTTATCCACGCGCCG  
AGAGCGATGGGTGATACATTGTCACCTGCCAGAATCCTGGTAGCCTGCGGTGCATGGCCGGCGCACTGTG  
CTTGCTATCTGGTTTCGAGGATCATCCAAGGATGTATGTTAAACCAAAGAGTCATGTGGTACCGGGAAG  
TTGTTAACTTGACATGCCAAAGGAGATTATGTATATGGGATCCGTCTTCTGGAGAGGCCGCCACTTGAT  
ATACATCCGCATCTGGTACGACGGCCATGTGGTTCATCGTCCCCAAATGTCATTTGGTGGTCTACA  
CTCAACTACGGCCTGCTGAACAACCTTGTGGTCTGTGCTGTACCTACTGTTGACTTGGAGGAGATT  
GGATTCGCTGCTGCGCCAGACGAACCCGCCCTTGATGCTTCGGCCATCGGAATCATGCGCAGGGAAG  
TCTGGATCCAGACCCCTTGAGTAGCAGCCTGACCGAGAGACGGCGCCAGCGGCTTCTGAGAGGTCTGAT  
AGGCACAATAGGCCAATCCCCTTTCAGATTACGACTCACACAGAAGCTATCCCCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100494 representing YP\_068050  
Red=Cloning sites Green=Tags

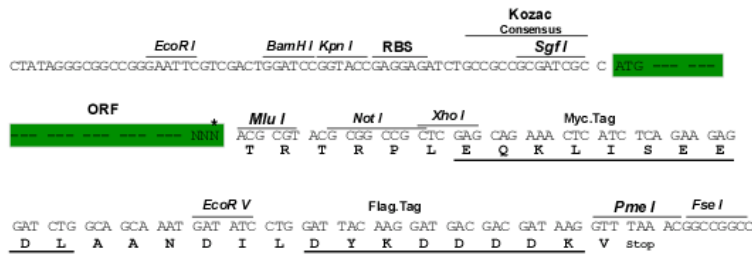
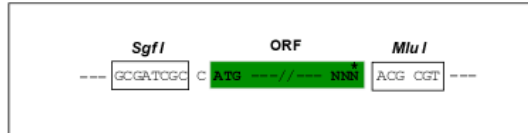
MSGNSSIMTRSRTLALSRHHPYQPPATLPRCEETESRASLVEDHPVLPDCDTLSMHNVS SVRGLPCSAG  
 FTVLQEFVPPWDMVL TPEELRVLKTCMSVCLCCANIDL FSSQLIHGRERWVIHCHCQNPGLRCMAGGTV  
 LAIWFRRI IQGCMFNQRVMWYREV VNLHMPKEIMYMGSVFWRGRHLIYIRI WYDGHVGSIVPQMSFGWST  
 LNYGLLNNLVLCCTYCS DLSEIRIRCCARRTRRLMLRAIGIMRRESLDPDPLSSSLTERRRQRLLRGLM  
 RHNRP I PFADYDSHRYSYR

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\_003266

**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: [NC\\_003266.2](#), [YP\\_068050](#)  
RefSeq ORF: 897 bp  
Locus ID: 2958467  
MW: 34.7 kDa