

Product datasheet for **VC100323**

E4 (NC_011202) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E4 (NC_011202) 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 VC100323 represents NCBI reference of YP_002213847 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGATCCAACCTCCATCATGACCAGGCTGCGCGCTAGGAGCACGTCATGTGCCCGGCACCATCCTT
ACACAAGGGCACAGCTCCCAAGGTGCGAGGAGAATGAAACAAGGGCTAGTATGACAGAAGATCACCTCT
GCTGCCGTGATTGCGATACCATGACCATGCATAGTGTCTTGCCTCAGGGGTCTGCCGTCTTCCAGC
TTTACAGTGTGCAAGAGCTGCCAATACCATGGGATATGTTTCTGAATCCGGAGGAACTCAAATTATGC
GACGCTGCATGCACCTTTGTCTCTGTTGCGCAACTATCGACATCTTTCACAGCCAGGTAATCCACGCGCC
GGAGAATTGGGTTCTGCACTGTCATTGCAACCAACAGGGCAGTCTGCAATGCATGGCTGGCGGGGCCGTG
TTGGCCGTGTGGTTCAGAAAGGTGATCCTGGGATGCATGATTAATCAGCGCTGCCCTTGGTATAGACAGA
TTGTGAACATGCATATGCCTAAGGAGATAATGTACGTGGGGTCAGTTTTCTTGCAGGAGCGGCACTTGT
TTACATCAAGTTGTGGTACGACGGACACGCTGGAGCAATCATCTGATATGTCTTTGGCTGGAGTGCC
TTTAATTACGGGTTGCTCAACAATATCGTCATCATGTGCTGTACTTACTGTAAAGATTTGAGCGAGATCC
GGATGAGATGCTGCGCCACAGAACAGGAAATGATGCTCAGAGCCATCAAATATGCTGCAAGACAC
CGTTGATCCCGATCCTATTAATAGCTCCAGAACTGAGCGGAGACGCCAGCGATTGCTGGTGGGACTCATG
CGCCATAACCGACCCATACCTTCTCTGACTACGATTCACACAGGTCTAGTAGTCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100323 representing YP_002213847
Red=Cloning sites Green=Tags

MSGSNSIMTRLRARSTSCARHHPYTRAQLPRCEENETRASMTEDHPLLPCDPTMTMHSVSCVRGLPCSAS
 FTVLQELPIPWDMFLNPEELKIMRRCMHLCLCCATIDIFHSQVIHGRENWVLHCHCNQQGSLQCMAGGAV
 LAVWFRKVIILGCMINQRCPWYRQIVNMHPKEIMYVGSVFLRERHLIYIKLWYDGHAGAIISDMSFGWSA
 FNYGLLNNIVIMCCTYCKDLSEIRMRCCAHRTRKLMRLRAIKIMLQDTPDPDPINSSRTERRRQLLVGLM
 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: NC_011202

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_011202.1](#), [YP_002213847](#)
RefSeq ORF: 897 bp
Locus ID: 6870513
MW: 34.7 kDa