

Product datasheet for **VC101893**

E2 (NC_014835) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_014835) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101893 represents NCBI reference of YP_004111312 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACACAACAGACTTTGACAGAGCGGTTTGGCGCTCAGCAAGAAATGCAGATGACGCTCATTGAAC
AGGAGTCTACGGACCTGCGAGACCACATCAAATATTGGGACTCCGTCAGACTCGAAAATCTTTGGCCTA
CTACTCACGAAAAGAGGGATATACCCACCTGGGTCTCCAACCCTCCCTGCTCTGACCGTCCGAGTAT
AAGTGTAAAGAAGCAATCAAATGAAGTTGCTGTTGGAATCTCTGAAGGATTCTAGTACGGGTATGAAC
CATGGACTCTCAGAGGTGAGTGTCAAATCATCAACACCAACCCCGAAATGCCTTCAAGAAGAAGGC
CTTTACGGTGACGGTGTCTTCGACAACGACCAGAGCAACAGTTTTCCATACATATGCTGGGACCACATT
TACTACCAGGACGAGAAGTCAAGTGGCAGAAGGTAGCCGGACAGGTGGATATCAACGGCTTGTATTTTC
GCGAGGTACCGGCGATATTACCTATTTACCTTGTTCAGCCTGACGCCGAGAGGTATGGGACAGACTGG
CCAATGGAGCGTGACCTACAAAACCATACACTTAGTACGAGTGTACAAGCAGTAGCCGGACCGCTTCA
GACCTGGAGAATAGACCTCCAACCTACCCAATAAGCTCACCAAGACGCCGCGGAAGAGACGGAGACAGA
CTGGGGAGGACACAACGCGGAGAGTCCCACGAGCACTCAAGTGGCTTTCGCTTTGGCGCCGCCGCAC
CGAGCAGGGGGAGCCTACAACTGATGGGTATAACTAGGAGCACCCGAGAAGGCGGAGAGCCGCTGTG
GGCAGCGCGGTGAGCCCCGAAGAGGTGGGCTCTGGAACCCGCTCAGTGCCAGAACAGGTCTGACAAGGA
ACCAGCGACTGCAAGCCGAGGCTAGGGATCCCACGCTCATTCTGTTGCAGGGCTGTGCCAATTCCTTAA
ATGTTTTTCGCTATCGCTGCTCCCACAAACATTCACCTCTATTTGGCGCCTCTACTGTCTTTGCCTGG
ATGTATAACAGCAATGAGAAAAGCGCCGAGGATAGGATGCTGATTGCATTCTCAAGCAATACCCAGAGAG
ACGATTTCTTGAAGAGTGTGACTATCCCCAAGGTTGCCATTACTGTTTCGGAATCTGGATTGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA



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Protein Sequence: >VC101893 representing YP_004111312
Red=Cloning sites Green=Tags

METQQTLTERFAAQEMQMTLIEQESTDLRDHIKYWDSVRLLENLLAYYSRKEGYTHLGLQPLPALTVSEY
 KCKEAIKMKLLLESLKDSRYGYEPWTLSEVSAEIIINTNPRNAFKKKAFTVTVFFDNDQSNFPYICWDHI
 YYQDEKSEWQKVAGQVDINGLYFREVTGDITYFTLFPDAERYGQTGQWSVTYKNHTLSTSVTSSSRTAS
 DLENRPPTHPISSPKTPRKRRRQTGEDTTRESPTSTSSGLRFRRRRTEQGEPTTDGYNTRSTPRRRRAAV
 GSAVSPEEVGSGTRSVPRTGLTRNQRQLQAEARDPTLILLQGCANSLKCFRYRCSHKHSHLYLAASTVFAW
 MYNSNEKSAEGRMLIAFSNNTQRDVFLKSVTIPKGCHYCFGNLDCL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_014835

ORF Size: 1188 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_014835.1, YP_004111312](#)

RefSeq ORF: 1188 bp

Locus ID: 10067314

MW: 45.5 kDa