

## Product datasheet for **VC101879**

### E2 (NC\_014955) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_014955) 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 VC101879 represents NCBI reference of YP_004169287 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGATGGAGACACAAGAGACTCTGACGGCCCGCTTTGTGCGCTCAGCAGGAAATCCAGCTGGCCCTGA  
TCGAAAAGGAAAGCACAAACCTGCAGGATCATATCCAGTACTGGTCAGCTGTTTCGAAAGAACACGTCCT  
TGCCTACTACGCGCGACAGGAGGGGTACTCGGCTTGGGCTGCAGCCTCTGGCAAGCACAGCCGTCTCC  
GAATACCGGGCCAAAGAAGCCATTCACATTGTGATTCTCCTCAAATCCCTGCTGAAATCCGAGTATGGCC  
CAGAACTCTGGACTCTCGCTGAAGTAAGTGCCGAAATTTGAATACTCCTCCTAAGAAGCTGTTTCAAAAA  
AGGTCCATTACCGTCACCGTCTACTTCGACAATGACACAAACAACAGCTTCCCTATACATGTTGGAAC  
TACATTTATTATCAGGATGATAACAACCGGTGGCACAAGACCGAAGGGCAAGTTGACGCCAACGGTCTCT  
ATTTAAAGGAAAAGAACGGCGACGTCATTATTTTACCGTCTTCCAGCCAGACGCCGAAAGATACGGACA  
TACTGGCCAGTGGACCATCAAGTATAAGTCTCAGACCATCTCCGCATCTGTTTCTCATTAGCCGGTCT  
GTCCCTGAACCTCCTCCGGAGAGCCCGGAACCATCCCCGATACCCCATCAACATCAAAAGTTTCCGGTA  
AGCGCAGAAGAGAGACAGAGGAAGATTCACACCCGGAGAGCCCAAGTTCAAGCAATATAGAAGTCCAGGAG  
AAGAAGGGGCAACCAGCAGAGAAAAAGCACCAGACTGAGAGGAGGGGAGCGGGTCTGCTCCAGCAAC  
AGCGCACCAACACCTGAAGAGGTTGGTGCAGGAAGTAGATCCGTCCTCCCAAGCACGGACTTAGCGGACTGC  
GGAGGCTCCAGGAGGAAGCTCGCGACCCGCTCTCATCCTTCTGAAAGGGCATCCTAATACCTTGAATG  
TTGGAGGTGGCGGTGTA AAAACAAGTACTCACACCTGTTTCTCGCGTGCCTACCGTTTTCCACTGGGTC  
GGCGATGACACAAATAAATCTACCAGCGCCCGGTGCTGCTGGCGTTCCGCCACGGTCTGCGAGCGCCAGA  
CATTTCTAATACAGTCCCCCTGCCAAAGAACCTCCTATGTAAGTGGGGAATCTGGATTCACTT

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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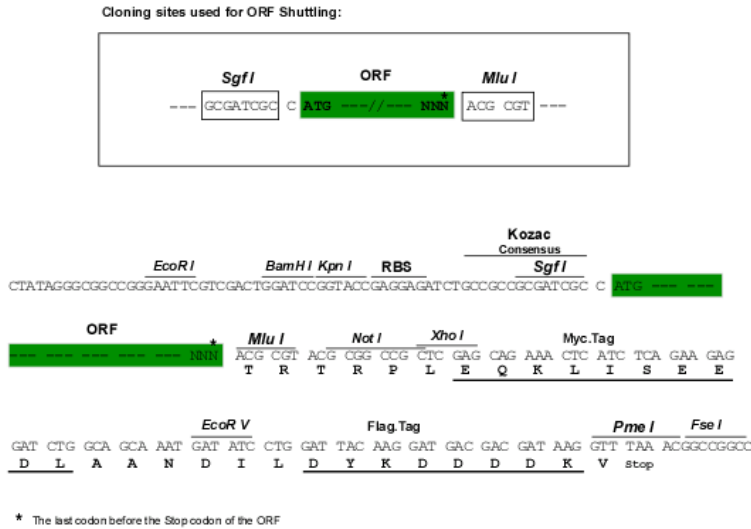
**Protein Sequence:** >VC101879 representing YP\_004169287  
Red=Cloning sites Green=Tags

MQMETQETLTARFVAQQEIQALALIEKESTNLQDHIQYWSAVRKEHVLAYARQEGYTRLGLQPLASTAVS  
 EYRAKEAIHIVILLKSLKSEYGPPELWTLAEVSAEILNTPPKNCFKKGPFVTVVYFDNDTNSFPYTCWN  
 YIYYQDDNNRWHKTEGQVDANGLYFKEKNGDVTYFTVFQDAERYGHTGQWTIKYKSQTISASVSSF SRS  
 VPEPPPEPEPSPDTPSTSKVSGKRRRETEEDSHPESSSSNIELRRRRGNQQRKSTTRLRGAAGRSSN  
 SAPTPEEVGAGTRSVPKHGLSGLRRLQEEARDPPLILLKGHPNTLKCWRWRCKNKYSHLFLACTTVFHWV  
 GDDTNKSTSARVLLAFATVCERQTFLNTVPLPKGTSYVLGNLDSL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_014955

**ORF Size:** 1185 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\\_014955.1, YP\\_004169287](#)

**RefSeq ORF:** 1185 bp

**Locus ID:** 10146746

**MW:** 44.8 kDa