

## Product datasheet for **VC101235**

### UL46 (NC\_006273) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL46 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101235 represents NCBI reference of YP_081504 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGCCAGAGCCGTCGCCAAAAGACCACGCGATCCTGCCGATGAAGATAATGAGCTCGTGACCGCAT  
TGAAAGCTAAGAGGGAGGTCAACACCATAAGCGTGCGGTACCTGTACCATGCCGACCACCAGGCCCTGAC  
AGCTCGATTCTTTGTCCCCGAAGGACTGGTTGAATTTGAAGCCCAGCCAGGAGCTCTGCTGATCAGAATG  
GAGACCGGCTGCGACTCCCCCGACATCTGTACATTAGCCTCTATCTTCTCGGGATTAGAGCCAGCAACG  
TCTCAGCAAGCACAAAGGTGCCTGCTTGAATCTGTATACACAGCCTCTGCCGCCAGAGCAGCCCTCCAATG  
GCTTGATCTCGGCCCTCACCTGCTGCATCGCCGGCTGAAAACCTTGGATGTGTGAAAACCGTGTCCCTT  
GGGATCACAAGCTTGCTCACATGTGTTATGCGAGGCTACCTGTATAACACACTCAAGACAGAGGTTTTCG  
CTCTGATGATTCCTAAGGATATGTATTTGACTTGGGAGGAAACTCGAGGAAGGCTTCAGTATGTGTATCT  
CATCATCGTCTACGATTATGATGGCCCCGAAACCCGACCTGGAATCTATGTGCTGACATCCTCAATCGCT  
CATTGGCAGACCCTGGTCGATGTGGCACGCGGAAATTTGCACGGGAAAGATGCAGCTTTGTAACAGGA  
GGATTACCGCCCTCGCCAAATTCGGCTCTGTACGGGGGTATTGAGAAAGTTGGGGTGGTGCCTGGCCGA  
CGACATCCACACCTCATTCTTGTGCACAAAGAACTTAAACTCAGTGTCGTGCGGCTCGATAATTTCTCA  
GTGGAACCTCGGAGACTTTCGCGAGTTCGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101235 representing YP\_081504  
Red=Cloning sites Green=Tags

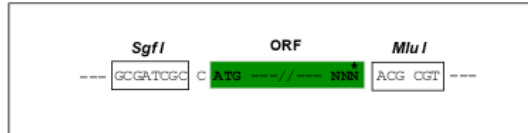
MDARAVAKRPRDPAEDNELVTALKAKREVNTISVRYLYHADHQALTARFFVPEGLVEFEAQPGALLIRM  
 ETGCDSRPHLYISLYLLGIRASNVSASTRCLLESVYTASAARAALQWLDLGPHELLHRRLETLGCVKTVSL  
 GITSLLTCVMRGYLYNTLKTEVFALMIPKDMYL TWEETRGR LQYVYLII VYDYDGPETRPGIYVLTSSIA  
 HWQTLVDVARGKFARERCSFVNRIRITRPRQIPLCTGVIQKLGWCLADDIHTSFLVHKELKLSVRLDNFS  
 VELGDFREFV

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\_006273

**ORF Size:** 870 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\\_006273.2](#), [YP\\_081504](#)  
RefSeq ORF: 870 bp  
Locus ID: 3077431  
MW: 33.0 kDa