

## Product datasheet for **VC101226**

### **UL36 (NC\_006273) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	UL36 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101226 represents NCBI reference of YP\_081495 with codon optimized for human cell expression  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACGACCTTAGGGACTCTGATGGCCTATGGATGTATTGCTATTCGAGCTGGGGATTCAACGGCC  
 TCAATGATTTCTGGAACAAGAGTGCAGCACCCGACTTCACGTGGCCTGGCCGGAGCGGTGTTTCATCCA  
 GCTCCGGTCCCGCTCCGCCCTCGGTCCATTTGTGGGCAAGATGGGCACTGTGTGCTCCAGGGGGTTAT  
 GTTTGTTGTCAAGAATACCTGCATCCGTTCCGATTTGTGGAGGGACCAGGGTTCATGCGATACAGCTGA  
 TCGTGCTCATTGGACAGCGAGGTGGCATATACTGTTATGACGATCTTAGAGATTGCATATACGAACCTGC  
 CCCTACAATGAAAGATTTTTGCGGCACGGATCCGGCACTGTGACCACTTTCACACCATGCGAGACTAC  
 CAGAGGCCATGGTACAGTACGACGATTACTGGAACCGGTGATGTTGTACCGGGGGGACGTTGAAAGTC  
 TGTCCGCAGAAGTGACCAAGAGGGGATACGCCCTTACTCAATCGATGACCCCTTCGATGAATGTCCCGA  
 CACCCATTTCCGCTTTTGGACGCACAACACTGAGGTCATGAAGTTCAAGGAGACAAGCTTTCCGTGGTC  
 CGCGCAGGTGGCTCCATCCAGACCATGGAGTTGATGATTCCGACTGTCCACGGATCACGTGTTATCACC  
 AGCTCCTGGGGCACTGGGTGATGAGGTCCCTGAACGGAAGGAATTCCTGGTGGCACAATACGTCCTGGT  
 TGATACATTCGGCGTCTGCTATGGGTACGATCCCGCCATGGACGCAAGTATAGACTGGCCGAGGATGTT  
 GTGATGTTACATGTGTGATGGGAAAAAGGGCCACCCGAACCATCGATTTTCTGGAAGAAGAGAGGCCA  
 TTGTCCGCTCGAAAAGACGCCACATGCCAGCACCCCAAGAAGACTCCTGATCCAATGATAATGTTTGA  
 CGAGGATGATGACGATGAGCTGAGCCTCCCGGAAACGTTATGACCCATGAGGAGCCGAGTCCCGGCTG  
 TATGATGCCATTACGGAGAACTTGATGCATTGCGTGAAGTTGGTCACTACCGATAGTCCGCTGGCAACAC  
 ATCTTTGGCCACAGGAATTGCAAGCTCTGTGACTCCCTGCTCTCTCTGTGTACCGATGACGTTGA  
 GGGCGTCAGACAAAACTTCGGGCTCGGACAGGAAGTCTGCATCACTTCGAGCTCAGCTATCGGTTTAC  
 GACGAGGATCCTGAAACCTACATGGGATTTTTGTGGGATATCCAAGCTGCGACAGATGCGTGCGCAGGC  
 GACGGTTAAAGTCTGCGATGTCGGTCCCGGCATATCATCCCGGGCGCGCGAATGGCATGCTCCCT  
 CACACCACCCACGCTTATGAATAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101226 representing YP\_081495  
**Red**=Cloning sites **Green**=Tags

MDDLRLTLMAYGCI AIRAGDFNGLNDFLEQECGTRLHVAVPERCFIQLRSRSALGPFVKGKMGTVCSQGAY  
 VCCQEYLHPFGFVEGPGFMRYQLIVLIGQRGGIYCYDDLRLDCIYELAPTMKDFLRHGFRHCDHFHTMRDY  
 QRPMVQYDDYWNAVMLYRGDVESLSAEVTKRGYASYSIDDPFDECPDTHFAFWTHNTEVMKFKETSFSV  
 RAGGSIQTMELMIRTVPRITCYHQLLGALGHEVPERKEFLVRQYVLVDTFGVVYGYDPAMD VYRLAEDV  
 VMFTCVMGKKGHRNHRFSGRREAI VRLEKTPTCQHPKTPDPMIMFDEDDDEL SLPRNVMTHEEASRL  
 YDAITENLMHCVKLVTTDSPLATHLWPQELQALCDSPALSLCTDDVEGVRQKLRARTGSLHFFELSYRFH  
 DEDPETYMGLWDIPSCDRVRRRRFKVCDVGRRIIPGAANGMPPLTPPHAYMNN

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:


**ACCN:** NC\_006273

**ORF Size:** 1428 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\\_081495](#)
**RefSeq ORF:** 1428 bp

**Locus ID:** 3077442

**MW:** 54.9 kDa