

## Product datasheet for **VC101236**

### UL47 (NC\_006273) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL47 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101236 represents NCBI reference of YP_081505 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGCTCGCAGGACGGTCGATTTTAAAGAGCTGATCGAGCAATTGCGCGCGCGCTACCGACAAGG  
CCGAGGCTCTGAATACCGTTAGCCAACCTCGAGATCGGGCAGTGGATGCCAGGACGTGACGGCTAGTGC  
TGTCGGGCTTTCGTTGGTGCGCTTCCAAGCAGCGGTTACCCTTCGGGTCGTCAGACAGAAGCTGGTT  
TTTTACCTGCTTTCACACGCCACGGTGACAGCCGCAAGGGATCCCTTGTATGCCGAGAAGCTGCACG  
AACAAATTGGATAGGTTTTTGGCGCACCATGACGGCGGGGAGATGAAGATAGGCTGCCCTTTTATCA  
TAACGGGCGACACTTACTGCTTTCAAAAAATTCTGCAGACCTTGGAGGAAATTCAGACCGTGATTGCC  
GAGCAGTCAGGAGGAACAGCTGCGGCCGCCGACCTGATTGCTTCAAAATGCTTCTACAGAACGCCGGG  
GGAAGAAGGGTGGCTTCCAGCGCGGTGAGCAGCCCTGGTCCGGAGGGTGATTACTCAACTGGAGAC  
TGCCGCTACCGAGGCTAGGCCATACGTTAATTGTCGCGCGGTAGCTGAGCTTCTCGACCTCACTACCAG  
CGGTTGATATATTGGCGTGCACACTTATGCCATACGTGCTCTTAGCGGGATACTGACACCGAACTGG  
ACACTGTGCTGCTGATGCACTTTTCTACTCACTATCGCTCAGTCAACGGTGACCTGGCAGTGGAGTT  
TCAGAACTACGTAATAAATTCCTGAGACACATGAGCTCATTGTTTCTAGCGACATCGACGGGGATCAG  
AAGCCGGGAGCAGACATGCGGGACGCTCCTATAAACTCTTTGTGGGCAATCTGCAGGCTCGCGACG  
CCAGCGGTCTGATGTTCCCGATCATCAGCACGAGGATCAGCACGGTTAACCTGTATCTCTCCCCTGAACG  
GATGTTCTTCCACCCCGCCTGATTTCTAGGCTCCTGTCCGAAGAAGTGAGCCCTCGCGCAACTTGGAC  
GCTTACGCCAGGGTCTGCGACCGCGTGCTCGAGGATCATCTGCATACCCACGGCGGGTTCAGAGGCTTT  
TGGACTTGACACAGATGGTGATGCGACTGGTCGAGCTCGGTTTCAATCACGACACTTGGCGTGCATATGC  
TCAGATGGCACTGATTCAACCTGCTTCTCAAAAAAGTAGTCTGTTGTGAGTGAATCCGAGAAAAGCTT  
ATTCAGATCATTATAATTTTACACTTCTTTATGTGCTTTATGTGTATTCCCTACCTTTCTGTTTCG  
ATCACCGAGACGACTCATTCTGAACAGCATCGCTTACCCTGATCGGCAGCAAAGAGGAGCTTCAGCA  
CGTCTGGAGTAATGTTACTTTGAACGTGAACACCCACTTCGCGGTGCAAGTATACAGAAGAAGACTTTGAA  
GCTCACACCAAAGGAGCTACCGAGGCAGAAAGGAGTACCTTTACCGAGACCTCCACTCAAATGGGGCG



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TGCATCTTTTCACTCTTCGACCTTCTCGCGGGCCGCTGGGGCAGCAAGTCCACTGCCTCCAATTGACGG  
 CGTCACGAGGTCAGACATTCTGCGGGAATGTGCTCTGGTCAACCTGAACGAGGGCCGAGTCAACTATGCC  
 TCCTTGCTGGCATTCTCACACCACCCAGAATTTCTTCCATTTTCGCTCAGCTCGTGGTGGTCACCGAGT  
 TCAGTGAATTTTTGGAATACCGCAGGGACTTTCCAGGCAGTCGGTAGCCCGAGACTGTTTGCTCAT  
 TCAGCTTTGCCGGTCTCTTCCAGAGCAGGTGACTCTACCAGAATCTGGTGAGTATTTATAACTTG  
 ACCACGTTTCGTGAAACATATCGACGCTGCCGTTTTCAAGACTGTCAGGGACTGTGTGTCGACATCGCAA  
 CTACCTCGAACACCTCTCAGGCGTCCCGTTACCCCGAACGTCGACCTGTTGGCCGAGCTGATGGCCCG  
 GTCTGTGGCGCACAACTTTACACCACAGTCAATCCCCTTATCGAAGATGTGATGCGATCTTCCGCGGGG  
 TCTCTGAGGAACACTGCGCCACACTCGCTTCTGCTTTGGTCTGGCTCGCGGGAGGGCCAGGCTTAGCG  
 AGGACGGCGTCACCGTGTACGTGGAGGTGCAGGGCCAGTACGGGCTGCGCGTACCCACCACGCGCTTTGT  
 TGAGCAGCTGAGAGAGCTGGTGCGGCGGGACAGGTTGCTGGTGAGAACCCTTAGGGGACTCAACGAACGG  
 CTGCTCTCCGTAAGGGTCAGGTCGCCAAATCTCAAGTGATACTGAGGAGGTTTCAAGGCACGCAAAGG  
 GTCACCGACTGTCGCCAGATGAGCAAAGCGCTTAAAAAGACCGCTTAAAAATCAAAATGTTGGAGAC  
 TCGGGTACTCTGGCCCTCGAACAGCCAGCGGTCAAACGGAGCGGTCTGACCCGGTACAGCGCGCA  
 CTGGCAGTGTTCGACGTCTCAGCAGAGAAAACCTGGAGAGGCGGGCGCACAGCTTTGTCTACAGAGG  
 CAACATCTCTCCTCCACAGGCATCGCGACTCGCCCTATGACCTGGCCAGCTGGTACAGGCGTAGCCGC  
 AGCTGCCGAGGCAGACGGAGCCTTGCAGAGTCTCTGGAGGCACCTTGGGAAAGCGGCCACAGCCCCC  
 CGCCTGAGAAATGACGCCAGACCCGACCATGAGGAATCCACCGCCGGGGCAACCTCCGTCGCCGAAGTAT  
 TGGGCGCCCGCTATGAACCAGCCATTTGGCAGCTTCCGACCTTCTCAATTGGTATATTGTACCCGCTCTC  
 ACAGGCCCAACAAGATATTTGTCTAGCATAGATCCTCCCGCTGGTAGCACATCCGTTTCCCTCCCACT  
 GCCTCACCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101236 representing YP\_081505  
 Red=Cloning sites Green=Tags

MMARRTVDFKLLIEQLRARATDKAEALNTVSQLEIGAVDAQDVTASAVRAVFGALPSSGYHFGFVRQNVV  
 FYLLSHATVQTARDPLYAAEQLHEQLDRFLRHQHDGGDEDRLPFYHNGATLTAFAQLLQTLREIQTIVIA  
 EQSGGTAADLIASNNASTERRGKGGSSGGQPLVRRVITQLETAATEARPYVNCRAVAELDLTYQ  
 RLIIYWACTLMPYVLFRRDTELDTVLLMHFFYTHYRSVNGDLAVEFQNYVKNSVRHMSSFVSSDIDGDQ  
 KPGAEMRDVSYKLFVGNLQARDASGLMFPIISTRISTVNLVYLSPERMFFHPGLISRLLSEEVSPRANLD  
 AYARVCDRVLEDHLHTPRRVQRLLDLTQMVMRLVELGFNHDTCAAYAQMALIQPASQKSSLFVSEIREKL  
 IQIINYFYTFMCLYVVSPTFLFDHRRRLILEQHRSTLIGSKEELQHVSNVTLNVNTHFAVQYTEEDFE  
 AHTKGATEAEREYL YRDLHSKWGVHLFTLRPSRGAAGAASPLPPLDGVTRSDILRECALVNLNEGRVNYA  
 SLLAFSHHPEFPSIFAQLVVVTEFSEIFGIPQGLFQAVGSPRLFALIQLCRVLLPEQVTLQNLVSIYNL  
 TTFVKHIDA AVFKTVRDCVFDIATTL EHL SGVPVTPNVDLLAELMARSVAHNLYTTVNPLIEDVMRSSAG  
 SLRNYLRHTRL CFGLARGRARL SEDGVTYVVEVQGYGLRVPTTRFVEQLREL VRRDRLLAENLRGLNER  
 LLSVRVVRQISSDTEEVS RHAHGHR T V AQMSKALKK T ASKIKMLET RVTLALEQAQR SNGAVV TAVQRA  
 LAVFDVLSRENLERRGAQLCLTEATSL LHRHRALAPMTWPAGTGVAAA AEADGALREFLEAPWESAPQP  
 PRLRMPDPTDHEESTAGATSVPEVLGARYEPAHLAASDLLNWI V PVSQAQQDILSSIDPPAGSTSVSLPP  
 ASP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NC\_006273

**ORF Size:** 2949 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\\_081505](#)

**RefSeq ORF:** 2949 bp

**Locus ID:** 3077521

**MW:** 110.0 kDa