

## Product datasheet for **VC101586**

### U47 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U47 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101586 represents NCBI reference of YP_073787 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGAACAAGATGTA  
CTCCATGCTCGTGTTC  
ACTCTTATATCATTCT  
TGTTTTACTCCTACCT  
GATTA  
TCTGGACCCCGTGCTT  
TCAGTATGCTCCGAGA  
AGATCTCTTTGTGAAT  
TTGACTAATTTAGTAT  
GTG  
GCCAAAGTTTGCAAAG  
TTTCACTACGAGAGTT  
TTGAGAAAACATACCA  
ATCCTGCGATATCCG  
GATC  
TCAAAAAACTGCTTAA  
GACAGATCCTTTTGG  
TCCTTTTCGGTTGAG  
TCAAAGAAAAACAT  
TTGCTCT  
CTAAGATTAATATGCT  
GTATCTGGATAACTT  
TCCTCGCTGGACACT  
GCACTTCGAGTTCCC  
CACCAAGAC  
AAATCGGAAAAGAC  
ACGTGTACCTCGACA  
ACATTTCTTTCTGT  
ACCTGGTGTTCGCC  
ACTCTCGGTTCA  
AAGACAATGGACGAT  
TCATGTGTTAACAAA  
ATCCCCTTTGAGGT  
CCTGGCTTCTCACT  
TGTTAAGATCA  
ACTTCTCACAGAA  
CAAAATCGAGACA  
ATCTCCAGGACCT  
CCAGAACCACACT  
GAAGCACAGCTG  
TTTTCC  
CAGGGAAAATCCG  
AGCAGCTGTTAGCT  
TTACAAATTTCA  
TTTACTATTTG  
TTTACAATAGG  
ACAGAC  
TGCAAAAATTT  
CTATTAGTAAGT  
TTTTTTACAAC  
AGCGTTAATACA  
AGAAACGTGT  
CTACACCATT  
GGCG  
TCACTAATTTCT  
CTCTGGTCAGAG  
GTATCATGTCA  
CCCATTCAGAG  
CTTCAAGGGTA  
ATCTTATGTT  
CT  
GGAGAACAAG  
ACAAAGGTCAC  
AAAGCCGACCG  
CATTCTAACG  
CCGTGACTAG  
CGAGCCAACA  
AAGTTT  
TTCCCTAGT  
ACACGGGGC  
ACCAGCTCA  
ATGCAAGCA  
AGCCAGCAG  
ACATCTAG  
TTTCCCTACA  
ACTTTCT  
TTACAACCA  
ATCACTCA  
AATACAT  
CCACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101586 representing YP\_073787  
Red=Cloning sites Green=Tags

MKNKMYSMLVFTLISFLFYSYLIIWTPVLSVCSEKISFVNLTNFSMPWPKAKFHYESFEKTYIQSCDIPI  
 SKNCFKQILFWSFRLSQKKNICLSKINMLYLDNFPRWTLHFEFPTKTRNRKRHVYLDNISFLYLVFATLAF  
 KTMDDSCVNKIPFEVLASHLKFKNFSQNKIETIFQDLQNHTEAQLFSRENSEQLFSTNFIIYFVYNRTD  
 CKNSISKFFYNSVNRNVSTPFGVTNFSLVIRGIMSPIQSFKGNLMFLENKTKVTKPTAIPNAVTSPTKFK  
 FPSTRGTSSMQASQQTSSFPPTTFFTTNHSNTST

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001716

**ORF Size:** 939 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\_001716.2, YP\_073787  
RefSeq ORF: 939 bp  
Locus ID: 3289505  
MW: 36.7 kDa