

## Product datasheet for **VC101619**

### U81 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U81 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U81
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101619 represents NCBI reference of YP_073819 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCACTGCTCCAGTGGATGCTGGAAAATATTTCCGACGATAACTCCATCAAGATGAGCTTGGAGGAGC  
AGCATGAGACATTTGAGATCAACGTTAAGTGGTTGAAGTTTCTGAACCTGAGCGATTGAGACATCGTTCA  
GCTCCAAAACGTATACAACTCGTTCAACGCGATAGAGAGAGATTGATTATATATCCTGACCCTCAGAAC  
GTCCACAGCTGGTCTATCTCTGTTCCCGAAGAGATTAAGTCATTATTGTTGGACAGGATCCGTATC  
CTGACGGGCGCGCCATGGTCTCGCTTTCTACTGTGCGAGGGTCTCCCCCAATAGCCTCAAGAC  
AATCTTCGCCGAGCTGGAGCGCACCATCGAAAATTTCAAGGCTCCCGCTCATGGCAGCCTGAAGAGCTGG  
TGTGCTCAAGGAGTCTGCTGCTTAATACCGTATTACCGTGATACGGGGGTCCCAATGAGCCATGAAG  
CAATTGGGTGGCAAGTGCTCAGCAACCGCATCATCAACCAGCTCTCTGAGAAGATGCAGAACCTCGTGT  
CATGCTCTGGGGCTCACAGGCCCGAAGTTGGTGAACCTATTGACTCCAAGAAACACCTCATTCTGGAG  
TGCGCCCATCCCTCTCCTCGGACTAAGGGGAGTAAGACGCCCTTATAGGTTGCGGTCATTTTCTGAAGG  
CCAATAAGTATCTGCAAATCCACAACAAGTGCCTATTGATTGGAATATCACCAACGACCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101619 representing YP\_073819  
Red=Cloning sites Green=Tags

MALLQWMLNISDDNSIKMSLEEQHETFFQINVKWLKFLNLSDSDIVQLQNVYKLVQRDRERLIIYDPQNV  
VHSWSYLCSPPEIKVIIVGQDPYDGRGHGLAFSTVRGCSPNSLKTIFAELERTIENFKAPAHGSLKSW  
CAQGVLLLNTVFTVIRGVPMSHEAIGWQVLSNRIINQLSEKMQNLVFWLWGSQARKLVSLIDSKKHLILE  
CAHPSRRTKGSKTPFIGCGHFLKANKYLQIHNKCPIDWNITNDL

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001716

**ORF Size:** 762 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\\_073819](#)  
RefSeq ORF: 762 bp  
Locus ID: 3289537  
MW: 29.0 kDa