

## Product datasheet for **VC101343**

### US27 (NC\_006273) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	US27 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101343 represents NCBI reference of YP_081611 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCACTAGCACCACTACCACCACCAACATCATGCTGCAGGTCTCCAACGTGACCAACCAACCCCTCA  
ATAGCACCGAGATCTACCAGCTCTTCGAGTACACCCGGTTTGGCGTCTGGCTGATGTGCATCGTGGGCAC  
ATTTCTCAACATGCTGGTCATTACTACCATCCTCTACTACCGCGGAAAAAGAAAAGCCCCAGCGACACC  
TACATTTGCAACCTCGCGTGGCCGACCTGCTCATCGTCGTGGGACTCCCCTTTTTCTCGAGTACGCCA  
AGCACCAACCAAGCTGTCCCGGAGGTCGTGTGCAGCGGGCTGAACGCCTGCTTCTACATCTGCCTCTT  
CGCCGGCGTGTGCTTTCTGATCAACCTGAGCATGGATCGGTAAGTGCATGATCGTGTGGGGGTGGAGCTG  
AACCGGTGCGGAACAACAAGCGGGCCACATGCTGGGTGGTATCTTTGGATTCTGGCAGCCCTGATGG  
GCATGCCCACTACCTCATGTACAGCCACACCAATAACGAGTGCCTCGGCGAGTTCGAAACGAGACCAG  
CGGCTGGTTCCCGTGTTCCTGAACACCAAGGTGAACATCTCGGCTACCTGGCACCCATCGTGTGATG  
GCCTACACTTACAACCGGATGGTCCGGTTCATCATCAACTATGTGGGCAATGGCACATGCAGACTCTCC  
ACGTCTGCTGGTGTGGTGTCTTTCGCATCCTTCTGGTTTCCCTTCAACCTCGCCCTTCTCTGGA  
GAGCATCAGACTGCTGAGCGGCACCCAAATGAGACCCTGCAAACCGTGATCACCTTTTGCCTCTACGTG  
GGCAGTTCTGGCCTAGTGCAGGCTGCCTGAATCCCGGCATCTACATCCTGGTGGGACCCAGATGC  
GGAAGGACATGTGGACCACACTGCGGGTGTTCGCCTGTTGCTGCGTGAAGCAGGAAATCCCTATCAGGA  
CATCGACATTGAGCTGCAGAAGGATATTCAGCGCGGGCTAAGCACACCAAGCGGACTACTACGATCGG  
AAACACGCCCCATGGAATCCGGGAAGAGGAGTTCCTGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101343 representing YP\_081611  
 Red=Cloning sites Green=Tags

MTTSTTTTINIMLQVSNVTNHTLNSTEIYQLFEYTRFGVWLMCI VGTFLNMLVITITILYRKRKSPSDT  
 YICNLAVADLLIVVGLPFFLEYAKHHPKLSREVVCSGLNACFYICL FAGVCFLINLSMDRYCVIVWGVEL  
 NRVRNKRATCWVVFIFWILAALMGMPHYLMYSHTNNECVGEFANETSGWFPVFLNTKVNICGYLAPIVLM  
 AYTYNRMVRFIINYVGKWHMQTLHVLLVVVVSFASFVFPFNALFLESIRLLSGTQNETLQTVITFCLYV  
 GQFLAYVRACLNPGIYILVGTQMRKDMWTLRVFACCCVKQEIPYQDIDIELQKDIQRRAKHTKRTHYDR  
 KHAPMESGEEEFLL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2322\\_f11.zip](https://cdn.origene.com/chromatograms/ja2322_f11.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_006273

**ORF Size:** 1092 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NC_006273.2, YP_081611</u>
<b>RefSeq ORF:</b>	1092 bp
<b>Locus ID:</b>	3077557
<b>MW:</b>	42.2 kDa