

## Product datasheet for **VC101566**

### U27 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U27 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101566 represents NCBI reference of YP_073767 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATAGATCTAACCGGGAACACCACTCACATAGGGATCACAGAGAACATCGCGACTCCAAGAACCTC  
CAACCATGGCCTTCCATATGAAAACGTGGAAGACGATCAACAAACCTCTCAGGCGCTTCGCGAAGCTTCT  
GAGAGAGAACAACAACCGTTACCTTTACACCCCAACCAGCAATTATAATTCAGAGCGCCAAGAACCATCTG  
GTTCTGAAACTCATTATTCACGCAGAGTGTCTTTACATAACCGATACTGACCATTTTTCTACTAAGACAA  
TAAATAACTTTGTTCTTTGTTGATTCTTCATGGGAATAATCAGCAATCCCGATGTGACTAAACTGTA  
TATTCAGCACGACTCTGATCTGTATACTCGATTCTGGTCACTGCTTCCGACATTTGTGCGCAGGCGAGT  
ATCCCCTGTGTAACGGCCAGGAAATAGTGAGAGAGAGTGGGAAAAGCGCACTGAGGATCGATCTCGACC  
ACTCCACCGTTACGGAGATCTTGAAATGGCTGGCCCCGTAACCAAGAACAAGCGATCCAATAAGAACGA  
GATGACTCGCTCAGATAGTTGTGCAGGTCAACCCGCTTCTATCAAATTCCTGACAGATCTTAATGAG  
ATTGAATTCGCTCATTCTGGGAAGGTGGTATTCCATGACGCAAAATGTATGCGCCTGGTTCTGTCATCCA  
AGAACCTGCAGCAGGCCCTCAGCACGTGCGCGGTGCTCAAGTCCAGTTGTTCCCTGCGGGCAATTGCCGG  
GAAAGAATACAAATTGTTTCTGATAGCCAAGAATGTTTTCTCACAGTGGAGGCATATCTGTCCCAGGAA  
CAGGTCAAGGACGATCCGAAGTTTGAGAGACAGGCCAAGACCGAAGAGAAGGGGGAAAAAACCATAGG  
TTGAGGAAGGTAATAATTTCTTTGTAAGCAGGAGACCCAGCACAAAGATTACCTCTACATGGTGCCAC  
CAAAAATGGAGGAACGGGCACAACTTTTTAACGAGAAAAGAAGATTCTGAGTCTGACGATAGTGCTCAC  
TTTGACTACACCCCAACTCCAACGCCAGCGGTGCGGCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101566 representing YP\_073767  
 Red=Cloning sites Green=Tags

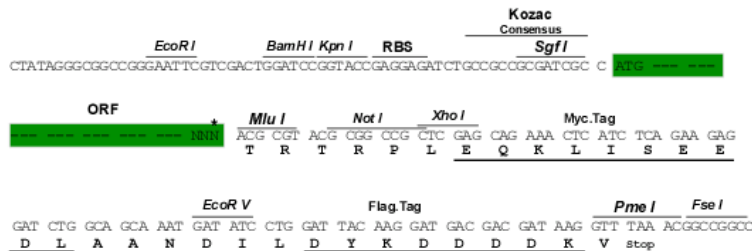
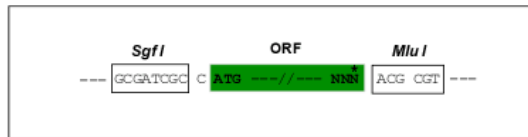
MDRSNREHHSHRDHREHRDSKEPPTMAFHMKTWKTIKPLRAFAKLLRENTTVTFTPQPAAIIQSAKNHL  
 VLKLIHAECLYITDTHDFSTKTINNFVPLFDSFMGIISNPDVTKLYIQHSDLYTRFLVTASDICAQAS  
 IPCVNGQEIVRESGKSALRIDLDHSTVTEILKWLAPVTKNKRSNKNEMTLAQIVVQVNPSPKFLTDLNE  
 IEFAHSGKVVFHDAKCMRLVLSKNLQQAFSTCAVLKSSCSLRAIAGKEYKFLIAKNVFLTVEAYLSQE  
 QVKDDPKFERQAKTEEKGEKNHKVEEGNFFCKQETQHKITSYMPVPTKNGGTGTNFFNEKEDSESDSAH  
 FDYTPNSKRQRCEM

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NC\_001716

**ORF Size:** 1092 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\\_073767](#)

**RefSeq ORF:** 1092 bp

**Locus ID:** 3289485

**MW:** 41.6 kDa