

## Product datasheet for **VC101558**

### U19 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U19 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101558 represents NCBI reference of YP_073759 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTAAAGAATGTGGTCTGACAACCATGCTTAGATGCAAAGAAAACTCATTGCCGCCTCTAAAGACC  
TTAAGTTCTTTGAAAAACAGTACAAGAAATTATGAAAGATGGAGTGTCAATCCAGCACATCATGTGCAT  
TAATATTCGCATCTGCGACATGACTGATATCCTTCCAGAACGCAGGCTGAAAAGGTTGGTTAATATCGGC  
TTCTACCCATTGGAAGGCAAGATGGTGATGTTTCGGTGTGGCAGAAGAATGGGTCTCCGCTTCTGGCACT  
CGAGAAGACAAATCGTCTTCTGTTGTCTCTCCAGCACGTGTTTCGTTACGAGGACGGTGTGATGTT  
CTACCTGAGTCCACATTTGAAGATTTCTGGACCACCAAGCTGGAATTCAGCTGCCAAAATGCAATCACC  
CACGGAATGTCAAAAAAATGAGTAGAGACGAGTGCCACGAACGGTTTATTAATTATTATCATCGCATCC  
GCCAGAAGACAATCAATATATCAGGAAACTGCCAGCACGGTTCAGAGAGTCTTCCGGGCCATAAACT  
CTCTAACGACCGGAAACTCAGGCCGAGAAAATGTATATGAGCATTGGATACTCTGAGAACGACAACCTT  
CCCAACAACGCAAAATATACAAAATGTGTACACACCCGGAGTCAACATCTTGGTGAAGCCGGTCAACT  
AGACTGGCCTGGCCATTTACCCGCTCTACTCAGACTAGCCAGAATGACATATCTTTAAAGAGCGGTG  
TTACAAGCCCAGACTACTGCGGAGATGTACCCTTATAAGGAGGTAACACTGCGAATGAAACCGAGACT  
GGCCTCTGGATATGCTGGAAGAGTCAAGCAACTTTTCCCTGAAACCTATGAAGAAATAGCAAACCTCC  
CACTGAAAAACCTCGAACACACCTCTACCTCCGGCTTCCCTGTGAATTCGAGCAGTTCACTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101558 representing YP\_073759  
 Red=Cloning sites Green=Tags

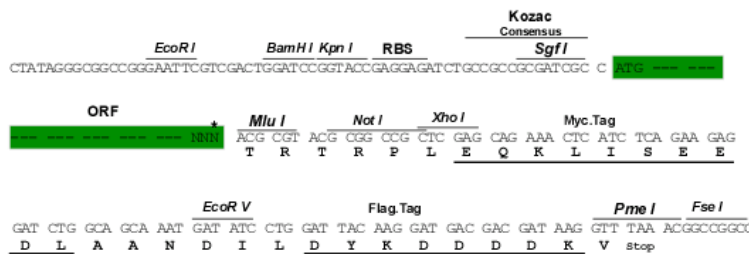
MSKECGLTTLRCKEKLIAASKDLKFFEKTQVEIMKDGVSIQHIMCINIRICDMTDILPERRLKRLVNIIG  
 FYPFEGKMVMFVAAEEWVSASGTPRRQIVFLLSLSQHVFAVEDGVMFYLSPTFFEDFWTTKLEFSCQNAIT  
 HGMSKKMSRDECHERFINYYHRIRQKTINISGKLPARFQRVLPGHKLSNDRETQAEKMYMSIGYSENDNL  
 PNNCKIYKMCHTPGVTILVSRSTQTLGHFTRSTQTSQNDIFFKERCYKPQTAEYMPYKEVNTANETET  
 APLDMLLESSNFSLLEYEEIANSPLKNLEHTSTSGFPVNFEQFTE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NC\_001716

**ORF Size:** 975 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\\_073759](#)  
RefSeq ORF: 975 bp  
Locus ID: 3289477  
MW: 37.6 kDa