

## Product datasheet for **VC101347**

### US31 (NC\_006273) Virus Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** US31 (NC\_006273) Virus Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** US31  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >The Viral ORF clone VC101347 represents NCBI reference of YP\_081615 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCCTGCTGGAGCGGGAGGAGTCTGGAGACGGTGGTGGACTACAGCCACAACCTGTGGTGCACAT  
 GTGGAACTGGCAATCCCACGTGGAGATCCAGGACGAAGACCCAACTGCGAACAACCCGAGCCCGCCCA  
 CTGGCTGGAGTACGTGGCCGTGCAGTGGCAGGCCCGGGTGAGAGATAGCCATGACCGTGGTGCCTCTGC  
 AACGCCTGGCGGGACACGCCCTGCGGGGCAGATGGGGCACCCGCCTACAGCAGCGGCAGCTCCGCCAGCA  
 GCAGCGGGTTCGTGGCCGAGAGCAAATTCACCTGGTGGAAAGCGGCTGCGGCACAGCACACGCGGGTGGCT  
 CTTTCGGCGGCGCGGGCTCGGTACACCCCCAGCAACTGCGGCGAGAGCAGCACCTCCTCCGCCAAAGC  
 TCCGGAGATGAGAGCAATTGCAGCCTCCGGACCCATGGCGTCTACACCCGGGGCGAACAACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101347 representing YP\_081615  
 Red=Cloning sites Green=Tags

MSLLEREESWRRVVDYSHNLWCTCGNWQSHVEIQDEEPNCEQPEPAHWLEYVAVQWQARVRDSDHRWCLC  
 NAWRDHALRGRWGTAYSSGSSASSSGFVAESKFTWWKRLRHSTRRWLFRRRRYTPSNCGESSTSSGQS  
 SGDESNCSLRTHGVYTRGEQH

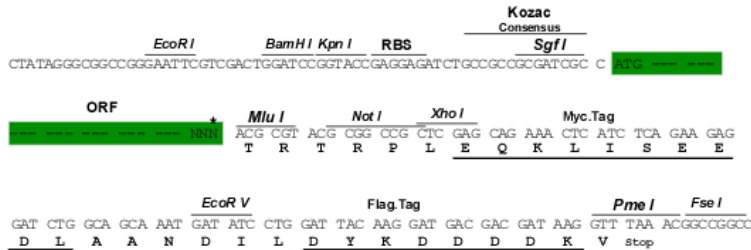
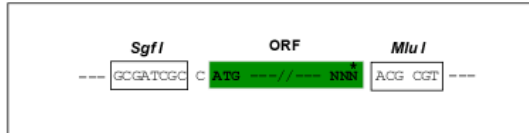
**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NC\_006273

**ORF Size:** 483 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\\_006273.2](#), [YP\\_081615](#)
**RefSeq ORF:** 483 bp

**Locus ID:** 3077573

**MW:** 18.9 kDa