

## Product datasheet for **VC101346**

### US30 (NC\_006273) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	US30 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101346 represents NCBI reference of YP_081614 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAACCCCGAGCCCCCTCGACCGGAGACTCAGATTCAGAAACGTCCCCTTTCTGCCCCAAGAA  
TCGCCGCCAGCTCCACAACCACCGCCAGAAGCCTCAAGGCCAAGACCATGGAAATGCGGTTACCATCGC  
CTGGATGTGGTTCCCAAGCGTGTCTGATCCTGGGCTGCTCACCCCCCTCCAACGGGTGTACCGTG  
GACGTGGGACGGAACGTGTCCATTGCGGAGCAGTGCAGACTCCGGAATGGCGCCACCTTCAGCAAGGGCG  
ACATTGAGGGAACTTCAGCGGGCCAGTGGTGGTGGAGCTGGACTACGAAGACATCGACATACCGGCGA  
GCGGCAACGGCTGCGGTTCCACCTGAGCGGCTGGGGTGCACCACAAAGAGAACATCCGGAAGGACAAC  
GAGAGCGACGTGAACGGCGGCATCCGGTGGGCCCTGTACATCCAGACTGGCGACGCCAAGTACGGCATCC  
GGAACCAGCACCTGTCCATCCGGCTGATGTACCCGCGGAGAAGAACACCCAGCAGCTGCTGGGCTCCGA  
CTTCTCCTGTGAACGGCACCGCGGCCTAGCACCCCCCTGGGCAAGAATGCCGAGGTGCCCCCGCCACT  
CGGACAAGCTCCACCTACGGCGTGTGAGCGCCTTCGTCGTGTGGATCGGGAGCGGCCTGAACATCATCT  
GGTGGACAGGCATCGTGTCTGGCCGCCGACGCCCTGGGCTGGGCGAGAGATGGCTCCGGCTGGCCCT  
CAGCCACAGAGACAAGCACCCAGCCAGCCGACCGCCCTCCAGTGCCAGCGGACATGCTCCTGCGG  
CAGCGGCGGGCGGCTCGGCGGCTGCACGCCGTGAGCGAGGGCAAGCTGCAGGAGGAGAAGAAGCGGCAGA  
GCGCCCTGGTGTGGAACGTGGAGGCCCGGCCCTTCCCCAGCACCCACAGCTCATCGTGTGCCACCCCC  
CGTGGCCTCCGCCCTCCCGCGTCCCCAGCCAGCCCCCGAATATAGCTCCGTCTTCCCCCGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101346 representing YP\_081614  
Red=Cloning sites Green=Tags

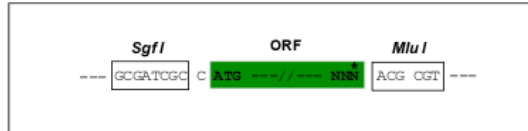
MGNPRSPLDRRLRFRNVPFLPPRIAASSTTTARSLKAKTMEMRFTIAWMWFPSVLLILGLLTPPSNGCTV  
 DVGRNVSIREQCRLRNGATFSKGDIEGNFSGPVVVELDYEDIDITGERQRLRFHLSGLGCPTKENIRKDN  
 ESDVNGGIRWALYIQTDAKYGI RNQHL SIRLMYPGEKNTQQLLGSDFS CERHRRPSTPLGKNAEVP  
 PATRTSSTYGVLSAFVWIGSGLNI IWWTGI VLLAADALGLGERWLRALSHRDKHHASRTAALQCQRDMLLR  
 QRRRRARLHAVSEGKLQEKKRQSALVWNVEARFPFPSTHQLIVLPPPVASAPPAVPSQPPEYSSVFPV

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\_006273

**ORF Size:** 1047 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\_081614  
RefSeq ORF: 1047 bp  
Locus ID: 3077526  
MW: 39.1 kDa