

## Product datasheet for **VC101339**

### US22 (NC\_006273) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	US22 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101339 represents NCBI reference of YP\_081607 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCCTGCTGACTAAGGCCGACGCCAAGCCTGGGGCACCTATCTGCGGCAGAGAGATGAGCGGTGCG  
 AAGACGCCATTTCGGTGCATTACGGCGTGTTC AATTTAGAAACACCGTGTTCAGAAAGACTGAGCAT  
 GCTGCAGGGCCTGTATCTCCGGCAATACGATCCCCCGCCCTCAGAACCTACGTCCAACGGCATCAGGGG  
 ACTACCGTGGCACTGCGGAACCCCGCAACTGGTTCCTCGTCATGCGGGAGCAGGCCGCCATCCCTCAGA  
 TCTACGCCAGAAGCCTCGCCGAGATTACCTGTGTTGCGACGACACCCTGGAAGCCGTGGCGTGTGCG  
 CGTCCGGCCACCCGACAGCGACCTGACCCGGAACACAAAGCAGGCCAGGAGCTCCCATGCGTCTCATG  
 CTCAGCCACTACGGGACCGTGTACGTCTACGACTGGGAGACCGACGGGCTGTACGAAGTGGAAGCGACA  
 TCAAGGCCTTCAGCAAGAACGGCCTGCTCTGGTGCAGTACGTGTACCGCACCCCCAGACACCCTTCGC  
 CACCACCGAGCCCGGTATCACGTGCAGAAATTCCTGTGCACCGACCCACCCGATGCTGCCGCCGTGGCC  
 AAGACCGCCCGGAGATGAACGGCCTGAACCTGGTGTTCGAGACCCCGGGCGGACCGAGGTGAGCCCC  
 TCCTCATGCTCGGCAGCATTGAAGGCCTGCGGGCCTGCCGGCCCTTCGACCACATGCCCGCTGCCGACTT  
 CCGGGACCTGCTCAACTTCATCCGGCAGCGGCTGTGCTGTGAGTGGTACGTGCTGGGCGCTGGTCCGCTAC  
 TACCTCGCTACGGCCCTTTGTCCCTCCGGCATGGTCTGCTCGATAAGTTCGGCGTGGTGTACTCTGC  
 ACAAGATCGAGGACTCCGACCTGTATCGGATCGCCGACAACTCCACATGTTCTGAAGTGCAGCCCTCT  
 CAAACTCGGGGCTGTGCCGTTTCGACCGGGGCTCGGGGCGAATGCCGGCTGGAAGAAGTCCCGGTG  
 TGCCACCAACCCTGAAGCGGGACGTGCTGCGGTGGCATGGCGCCCTGGGCACCATCACCAGGACCAAC  
 TCGAGTCCGCCCTGGACTGGTTCCTGCGGCCACCCGGGGCACTGACAAGGTGCCCAACAACAGCAGCGC  
 ATGGGGCCGACCGATCTGCTGCCACCGGCCCTCCAGGACAACAGAAATGGGCATTCGCCAGCCAC  
 AGCGTGGAGACCTGCCCGCCTGCAGGGGGCCTCTGGGAGGACAACGACGAGACCACCCAGACCGTGG  
 ACGGGCAGCGGTGCTTCCGGATGCCAAGTTCCTCCCCCCCCCATGTGCCGGGCCCCCTACAACGAGTG  
 CGGCGTCGAGCTGCCCGGGGGGACTCCAGCGACGAAGACGAAAGCGGGCGGCCCGGGGATCGCCAAC  
 CGGATCGGCGATACCCCGAGACACCCTGCAACTCCGAAAACGAGGATGACACCACCGTCGAGGGCACCA  
 GCGGGGACCCGAGGCTATGGACAGCCAGGCCCTACCCAGCGAGGACAGCCCAACAACGAGAAGGA  
 AGCTTGGCTGCAACGGGGCCGGCGGGCCAAGGCCATGCACGCTCGGGGACACACTCAAACAAGTGCC  
 ATCCCGAGCCGACAAATGGGCGATGACGGCCAGACCCCGGCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101339 representing YP\_081607  
 Red=Cloning sites Green=Tags

MSELLTKAAAEAWGTYLRQRDERCEDAIRCDYGVFQFRNTVFQKTL SMLQGLYLRYQDPPALRTRYVQRHQG  
 TTVALRNPANWFLVMREQAAIPQIYARSLAADYLCCDDTLEAVGLAVRPPDSL TRNTKQAQELPCVLM  
 LSHYGTYYVDWETDGLYEVASDIKAFSKNGLLWCEYVYRHPQTPFATTEPRYHVQKFLCTDPTDAAAVA  
 KTAREMNLNLVIRTPGRTEVEPELLMLGSI EGLRACRPFDHMPAADRDLNFI RQRLCCEWVYVGLVGY  
 YLAYGPFVPSGMVLLDKFGVVYLHKIEDSDL YRIADNFHMF LKCGLLKLRGLCRFDRGLRGECRLEELPV  
 CHHTLKRDLRWHGALGTITRSQLESALDWFLRPTRGTDKVPNNSSAWGRD LLLPTGALQDNQNWAFPSH  
 SVETLPALQGGWEDNDETTQTVDGQRCFRMPKFFPPPMCRAPYNECGVELPGGDSSEDESGRPRRIAN  
 RIGDTPETPCSENEDTTVEGTSGGPEAMDSQAPYSEDSPTTEKEAWLQRGRRAKAMHARGHTLQKVP  
 IPEPDQMGDDGPDGPG

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NC\_006273

**ORF Size:** 1728 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\\_081607](#)

**RefSeq ORF:** 1728 bp

**Locus ID:** 3077463

**MW:** 65.0 kDa