

## Product datasheet for **VC100855**

### US7 (NC\_001806) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	US7 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100855 represents NCBI reference of NP_044669 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTTGACAGCCCTTGACAGGGCCTGGTGTGGTGGCCTGTGGGTCTGTGCAACCTCCTTGGTCGTCA  
GAGGACCGACAGTGAGCCTGGTTTCTAATTCCTTTGTTGACGCGGGCGCCCTCGGTCCCGACGGGGTTGT  
GGAGGAAGATCTGCTCATACTCGGAGAATTGAGATTCGTCGGCGATCAAGTGCCTCACACAACATACTAC  
GACGGTGGCGTCGAGCTGTGGCATTACCCCATGGGACACAAGTGCCTAGAGTTGTGCAGCTCGTGACAG  
TGACCGCCTGCCCGCGCCGCCGAGTTGCGTTCGCATTGTGTAGAGCAACCGATTCTACCCACTCTCC  
TGCTTACCCACACTGGAGCTGAATCTGGCCAGCAGCCTCTGCTCCGAGTCCAACGAGCTACTCGGGAC  
TATGCGGGAGTGTATGTGCTGAGGGTGTGGGTGGGCGACGCCCAACGCATCATTGTTTGTGCTGGGGA  
TGGCAATCGCCGCCGAGGGCACCTGGCTTACAATGGTAGCGGTACGGGAGCTGCGACCCCAAGTTGCT  
CCCTAGTAGCGCCCGCGGCTTGACCCCGCATCAGTTTATCAGCCTGCTCCGAACAGGCATCTACCCCG  
TCTACAACCTACCAGCACGCCAAGCACCACAATTCGGCCCTAGTACCACGATCCCTGCCCGCAGGCCT  
CCACCACCCATTCCAACCGGGCACCCTAAACCACAACCACCCGGCGTGAATCACGAACCAACCTCTAA  
TGCAACCCGGGTACCAGGGACAGCCGATATGCTTTGACAGTGACTCAGATCATCCAGATTGCTATTCCA  
GCTAGCATAATTGCGCTGTCTTCTGGGAGCTGCATCTGTTTTATACCCGATGCCAACGCCGCTATC  
GCAGATCCCGCCGCCCATCTATAGCCCTCAGATGCCTACAGGAATCTCCTGTGCCGTGAACGAGGCTGC  
AATGGCGAGATTGGGGCAGAGCTTAAGAGTACCCATCTACTCCCCCTAAGTCCAGACGGAGATCCTCT  
CGAACTCTATGCCTTCCTGACAGCAATTGCCGAGGAGTCCGAACCTGCTGGAGCCGCGGGCTGCCAA  
CCCTCCTGTGACCCACGACTCCGACCCCAACACCTCCCTTGCTCGTG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

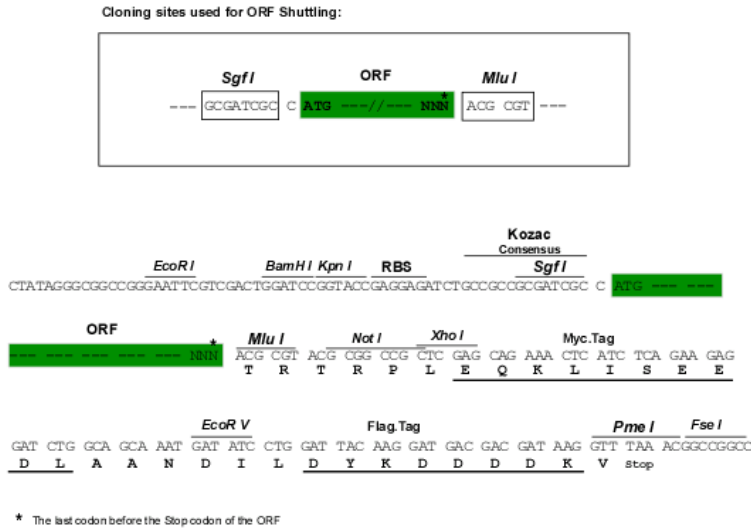
**Protein Sequence:** >VC100855 representing NP\_044669  
Red=Cloning sites Green=Tags

MPCRPLQGLVLVGLWVCATSLVVRGPTVSLVSNSFVDAGALGPDGVVEEDLLILGELRFVGDQVPHTTYY  
 DGGVELWHYPMGHKCPRVVHVVTACPRRPVAVAFALCRATDSTHSPAYPTLELNLAQQPLL RVQRATRD  
 YAGVYVLRVWVDAPNASLFLVGMIAAEGTLAYNGSAYGSCDPKLLPSSAPRLAPASVYQFAPNQASTP  
 STTTSTPSTTIPAPSTTIPAPQASTTTPFPTGDPKPQPPGVNHEPPSNATRATRDSRYALTVTQIIQIAIP  
 ASIIALVFLGSCICFIHRCQRRYRRSRRIYSPQMPTGISCAVNEAMARLGAELKSHPSTPPKSRRRSS  
 RTPMPSLTAIAEESEPAAGLPTPPVDPPTTPTPTPLLV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001806

**ORF Size:** 1170 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\\_001806.1](#), [NP\\_044669](#)

**RefSeq ORF:** 1170 bp

**Locus ID:** 2703446

**UniProt ID:** [P04413](#)

**MW:** 41.4 kDa