

Product datasheet for **VC100927**

US2 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	US2 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100927 represents NCBI reference of NP_044532 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGTCGTAGTGGTGAGTGTGTACACTGCTCGATCAACGCAACGCTTTGCCACGCACCTCCGCCG
ACGCTTCACCTGCTCTGTGGTCCTTTCTGCTGCGGCAGTGCAGAATACTGGCTTCCGAACCCTTGGGCAC
TCCCGTGGTGGTCCGGCCCGCTAATCTCCGCGGCTCGCTGAGCCCTCATGGACCTCCCAAAGTTCACC
AGACCAATAGTGAGGACTAGAAGCTGCCGGTGCCCTCCCAATACCACAACAGGGCTGTTCCGCCGAGGATG
ATCCCCTGGAGAGCATCGAAATCCTCGACGCCAGCGTGTTCAGACTGCTTACCAAGAAAGGCCAGG
CCCTCATAGGCTTTACCATCTTTGGGTGGTGGGAGCTGCCGATTTGTGCGTGCCCTTCTTCGAGTATGCC
CAGAAACTAGGCTGGGCTTTAGGTTTCATCGCTACAAAAACGAACGACGCTTGGGTCCGAGAGCCGTGGC
CCCTGCCAGATCGATTCTCCCTGAACGGACCGTTTCTGGACCCCGTCCCGGCTGCCCAACCAACCC
CCTCGAGAACCTGCTGTCACGCTATGAGTATCAGTACGGAGTCGTTGTTCCAGGGCAGCGAGCGGTCT
TGCCTGCGATGGTTGCGGTCCTGGTTGCTCCACACAACAAACCGCGGCCGCTAGCAGCCGCCACACC
CTGCAACCCACCAACCCAGAGGCCCTGCTTCACTTGTATGGGACGGCCTGAGATTCCAGACGAACCATC
ATGGCAGACCGGGGACGACGACCCGAAAACCCAGGACCTCCTCTCGCCGTTGGAGACGAATGGCCTCCT
TCCTCCCATGTTTGTACCAATCACAATCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >VC100927 representing NP_044532
 Red=Cloning sites Green=Tags

MGVVVVSVVTLLDQRNALPRTSADASPALWSFLLRQCRILASEPLGTPVVVVRPANLRRLAEPLMDLPKFT
 RPIVTRTRSCRCPPNNTTGLFAEDDPLESIEILDAPACFRLHQERPGPHRLYHLVWVGAADLCVPPFEYA
 QKTRLGFRFIATKNDAWVGEWPLPDRFLPERTVSWTFPAAPNHLENLLSRYEYQYGVVVPGDRERS
 CLRWLRLSLVAPHNKPRPASSRPHPATHPTQRPCFTCMGRPEIPDEPSWQTGDDDPQNP GPPLAVGDEWPP
 SSHVCYPITNL

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_001798

ORF Size: 873 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_001798.1, NP_044532
RefSeq ORF: 873 bp
Locus ID: 1487354
MW: 32.8 kDa