

## Product datasheet for **VC100936**

### US10 (NC\_001798) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	US10 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100936 represents NCBI reference of NP_044541 with codon optimized for human cell expression <b>Red</b> =Cloning site <b>Blue</b> =ORF <b>Green</b> =Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATTAGGAGGCGAGGCAACGTGGAAATTAGAGTCTATTACGAATCAGTGCGCCCTTCACGATCTAGGA  
GTCACCTGAAGCCGTCTGACCACCAAGAATCCCTGGTCACCACGTGAGTCCCGGATCTCCCGGCTTTCC  
CGAAAGTCCGGGGAACAGGGAATTCACGACCTCCAGAAAATCCAGGTAGCAGAGCCTATCCTGGCACC  
CGCGACCCCATGACCCCATGGTTGTCTGGATCACTCGACCCACACGGCAACCCAGCCCAACCCGCAG  
GCCTGCCATCTCCTGTACCTTACGCACCCCTGGGAAGCCCGACCTTCTTACCCCGGCAGCGCACCTA  
CGTCTTCCACGAGTCGGAATACATAATGCACCAGCAAGTGACACCAGAGCGCCCAAGAGAGCCAACAGT  
AGACACCGGGCGGACCGACCACCGGAGTCCCCGGATCCGAGCTGTACCCCTCAACGCACAGGCACTGG  
CTCATCTGCAGATGCTGCCGGCCGATCATAGAGCTTTTTTTCAGAACTGTCATCGAGGTGAGCCGCTTGTG  
CGCTCTTAACACACACGACCCCTCCTCCTTGTGCTGGCGCCCGCTCGGGCAGGAGGCACAGTTGGTA  
CACACCCAGTGGCTCCGAGCCAACAGGGAATCTAGCCCTGTGGCCATGGCGCACCGCCGAATGAATT  
TCATCGCTGCCGCTGCCCTTGTGTCAAACGCACAGACATGCATGATCTTCTATGGCATGTGCCTT  
TTGGTGTGTCTTGCACACGCATCAACATGCTCATACGCCGATTGTATAGTGCCATTGTGAGCATTGTG  
TTCAGAGCCTTCGGCTGCGGCCCTCCCGTCTCACAACGTCCCGGCCAGGGCGGATGGTCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100936 representing NP\_044541  
Red=Cloning sites Green=Tags

MIRRRGNVEIRVYVESVRPSRSRSHLKPSDHFQEPGHHVSPGSPGFPESPGNREFHDLPENPGSRAYPGT  
 RDPHDPHGCPGSLDPHGNAQAPAGLPSVPYAPLGSPDPSSPRQRTYVLPVGIHNPASDTRAPKRANS  
 RHRADRPPESPGESELYPLNAQALAHLQMLPADHRAFFRTVIEVSRLCALNTHDPPPLAGARVQEAQLV  
 HTQWLRANRESSPLWPWRTAAMNFIAAAAPCVQTHRHMHDLLMACAFWCCLAHASTCSYAGLYSAHCQHL  
 FRAFGCPPVLTTSRQGGWCN

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:** 906 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\_044541  
RefSeq ORF: 906 bp  
Locus ID: 1487351  
MW: 33.2 kDa