

Product datasheet for **VC100859**

US10 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	US10 (NC_001806) 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 VC100859 represents NCBI reference of NP_044673 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCAAAGGAGGGGAACGTTGAGATACGAGTCTATTACGAAAGTGCAGGACACTTCGATCCAGAT
CCCACCTGAAGCCCTCTGATCGGCAACAATCACCTGGACATCGCGTATTTCCAGGTTCTCCTGGCTTTTCG
GGACCACCCAGAAAACCTGGGCAATCCAGAATACAGAGAGCTCCCCGAACTCCAGGGTACAGGGTGACG
CCAGGCATCCATGACAATCCAGGTTCTCCCGTTCTCCTGGATTGCCGGGATCACCTGGCCTGCCAGGTT
CCCCCGGCCACATGCTCCACCCGCCAACACGTGCGGCTTGCCGGTTTGTATTACCGGAAAGTACGC
CCCGCTTGCCAGTCTGATCCTTTAGCCCTCAACATGGAGCCTACGCACGAGCCAGAGTGGGAATTCAC
ACTGCTGTTCCGGTTCGCCCACTGGATCCCCACCCATACCCATCTTAGACAGGACCCTGGCGACGAAC
CCACTTCAGATGACTCTGGACTGTATCCTCTGGACGCCCGGGCACTGGCTCACTTGGTAATGTTGCCCGC
TGATCATAGAGCGTTCTCAGAACAGTTGTGGAGGTGAGCAGAAATGTGTGCTGCCAACGTGAGAGACCT
CCACCCCGCTACGGGAGCTATGCTCGGCCGGCATGCCGATTGGTTCATACACAGTGGCTGAGGGCAA
ACCAGGAGACATCACCCTCTGGCCTTGAGGACTGCGGCCATTAATTTTATTACGACCATGGCTCCTCG
AGTGCAAACACACAGACATGCACGACCTGCTGATGGCCTGCGGTTCTGGTGTGTCTGACCCACGCT
TCAACATGCTCCTACGCAGGCCCTTACTCAACACACTGCCTCCACCTGTTGGGGCTTTGGCTGTGGTG
ACCCAGCCTTGACACCCCACTGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100859 representing NP_044673
Red=Cloning sites Green=Tags

MIKRRGNVEIRVYYESVRTLRSRSHLKPSDRQQSPGHRVFPSPGFRDHPENLGNPEYRELPEYRVT
 PGIHDNPLPGSPGLPGSPGLPGSPGPHAPPANHVRLAGLYSPGKYAPLSPDPFSPQHGAYARAVGIH
 TAVRVPPTGSPHTHLRQDPGDEPTSDDSGLYPLDARALAHLVMLPADHRAFFRTVVEVSRMCAANVRDP
 PPPATGAMLGRHARLVHTQWLRANQETSPLWPWRTAAINFITTMAPRVQTHRHMHDLLMACAFWCCLTHA
 STCSYAGLYSTHCLHLFGAFGCGDPALTPPLC

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_001806

ORF Size: 936 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_044673](#)

RefSeq ORF: 936 bp

Locus ID: 2703436

UniProt ID: [P04413](#)

MW: 34.1 kDa