

Product datasheet for **VC101331**

US14 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	US14 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101331 represents NCBI reference of YP_081599 with codon optimized for human cell expression Red =Cloning site Blue =ORF Green =Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCGTGAGCACCAACGGGAGACAGCCAGCAGCGAAACCGAGAGAACACGGGAGGCCGCTCCG
CCGAAACTACAGATGCCACCTTTCGGTCCCTGGAGGAGGGCAGCACCATCTCCAGCCGGTATCCGAGAC
CGCAAGCACCCCTCCGAGGACCGGTGTGTTGGCTGCGGCGGACCGCCATCGTGATCGGGTGTATGGC
CTGCTCACCTGGAGACCGCTTCAGCGTGCTGATCTCCGCCCTGTCTGGCTCGGCTATCCAGCCTGG
GCTACGAATGCCGGGACGACCCCTCCCCCTGCTGCTCTCCTGCACCCCAAGTGTGGTGTGGGCGCTCT
GGAGCTCACAGACCATCGGCACCAAGCAACGGCCTGGTGTGTTGCCCTCTACGTGGCCCTCCTCAGCTTC
ACAACCGCCGGCCTCAACCTGTGCGCCACAGCCCCATCGGCGTGAGCAGCCTGATTCTCACCTGGACCC
TGTTTCGTCGCTGCAACGGCGTGGCCTGGGAACATCGGCTCAGCAGCGTGTGGCGGGACGCCCTGTTAC
CAGCACCTGCTGACCGTGATGGTGAGCGTGTGGCCTCCACCTACACCTGGCTGCACAAGACCCTGCTG
TGCCTGTACACCGTCTTGTGGGCTGCATCCTCGCGTGTGTTCCAGGATGTGCGGTACATCGCCACCA
AGATGCCCGTGTCCACATCATCCGGTCCAGCCTCGTGTCTACGCCACCGAGACCCTGATCTACCACAC
CACCTCCTCATGCTGACCCCGTGTGGAGCGCCCGTGGGACCAGATGTTACGCTACCTGGCCAAG
CTCGGGACCTACCACCATTACCGGGTGGACAACGGCACACTGAGCGTCATCCTGAACAGCACCACCTGCAA
CCTTCCAGAGCAGAGTGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101331 representing YP_081599
Red=Cloning sites Green=Tags

METVSTQRETASSETERTREAASAETDDATFRSLEEGSTISSRYSETASTASEDAVCWLRRTAIVMRVYG
 LLTLETAFSVLISALVWLGYPSLGYECRDDPSPLLLCTPVLVLGALELDHRHPSNGLVFALYVALLSF
 TTAGLNLCATAPIGVSSLILTWLTFVACNGVAWEHRLSSVWRDALFTSTLLTMVSVLASTYTWLHKTL
 CLYTVFVGCILAVLFQDVRYIATKMPVSHIIRSSLVLYATETLIYHTLLMLTPVVWSARWDQMFSYLAK
 LGTYHHYRVDNGTLSVILNSTTATFQSRVA

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_006273

ORF Size: 930 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_081599](#)
RefSeq ORF: 930 bp
Locus ID: 3077456
MW: 34.3 kDa