

Product datasheet for **VC101332**

US15 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	US15 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101332 represents NCBI reference of YP_081600 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCGCGGGAGAAAGGGTTTCAGGTGCCACCGACGGGACTGTGATTTACGTCCCCCAGGCATCCAGG
AGACCCGGCTGGTACCCGGAGCCTGGCTTGGGTCGATTGCTGCCGGGTGGCCCTGCACACATACGGCGC
CGTGGGGTGGCAGCTCGCCGGCCTGACCGCCCTGCTCAGCGCCTTCTGCTACGCCGCCCGCCACCTGG
TTCCATCACAGCCGGCTCTGCCTGACCGAGAGCAGCCCCAGCCTGGTGTTCGTATTCCCGTCACCAAGCG
TCATCTTCATCCACTGCTACGAGACCTCCACCCCTCCAACATCGGCGTGTCTCTGTTTTACACCCCTGCT
GCATGTGCCCCCCTGATTGTCTCTGCCTGTGCTGGATGGCACCCTGGTGTATCTCCGCCGCCCTCTTC
ACTCTGCTCGCCTTCTGTCTGCACTGGCGTCCGCTCCTGGCCCCGAACGGACCGTCCGGCGGCAGA
TCGTGGTGTATCCAGCCCTCATCACCTGACCTTTACCGCCATCGTGGTGGTATTCTCCGGCGGGGCTG
GAGCTGGTGTTCAGATCGTGTCTCTCAGCGTGTGATCACCTGCCTCGCCGTGAGCCACTTCCAC
GAGGCCGCCCTCGCCGTGCGGTACGAGACCCCTGGAGCGGGCCCTGCTCGCCGAGTGAAGGTGTTC
TGTCCTCGTGTTCACCTGCTCATGGTGTCCGGATCATGACCTCCGGACCTTCTGCAGACTTATT
CAGCTCCGACAACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC101332 representing YP_081600
Red=Cloning sites Green=Tags

MRREKGFVPTDGTVIYVPPGIQETRLATRSLAWVDCRVALHTYGAVGWQLAGLTALLSAFCYAAPATP
 FHHSRLCLTESSPSLVFVIPVTSVIFIHCYETSHPSNIGVLLFYLLHVPPLIVICLCLDGTLVISAALF
 TLLAFLSCTGVALLAPERTVRRQIVVIHALITLFTAIVVVILRRGWSWCFKIVLSFSVLITCLAVSHFH
 EAALAVRYETPLERALLAAVKVFLSLVFTLLMVLRIIMTLRFTFLQTYFSSDKL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_006273

ORF Size: 786 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_081600
RefSeq ORF: 786 bp
Locus ID: 3077565
MW: 29.1 kDa