

Product datasheet for **VC101258**

UL78 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL78 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL78
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101258 represents NCBI reference of YP_081526 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

**ATGAGCCCTCCGTGAGGAAACCACCTCCGTCACCGAAAGCATTATGTTGCCATCGTGAGCTTCAAAC
 ACATGGGGCCCTTCGAGGGGTACAGCATGAGCGCCGACCGGGCCGAAGCGACCTGCTGATTGGGATGTT
 CGGCAGCGTCTCCTGGTCAACCTGCTGACCATCATCGGCTGTCTGTGGGTCCTCCGGGTGACCCGGCC
 CCCGTGAGCGTATGATCTTACCTGGAACCTGGTGTGTCCCAATCTTTTCCATCCTCGCCACCATGC
 TGAGCAAGGGCATCATGCTCCGGGGCGCTCTGAACCTCAGCCTGTGCCGGCTCGTGTCTCGTCGACGA
 CGTGGGCTGTACAGCACCGCCTGTTCTTCTTCTTCTGATTCTCGACCGGCTCTCGCCATTTCTAC
 GGCCGGGACCTGTGGCACCATGAAACCCGGGAGAAGCCGGGGTGGCCCTGTACGCCGTGCGATTCGCT
 GGGTGTCTCCATTGTGCGCCGAGTGCCACCGCCGACCGGAAGCCTGGATTACCGGTGGCTGGGCTG
 TCAATCCCATCCAGTACGCCCGCGTGGACCTGACCATCAAAATGTGGTTTCTGCTCGGCCCCCAATG
 ATCGCCGTGCTCGCAACGTGGTTCGAGCTGGCCTACAGCGACCGCGGGATCACGTGTGGAGCTACGTCC
 GGCGGGTGTGCACCTTCTACGTGACCTGCCTCATGCTGTTTGTGCCCTACTACTGCTTCCGGGTGCTCCG
 GGGCGTCTGCAGCCCGCTCCGCCCGCGGAACCGGGTTTGGCATCATGGACTACGTGGAACCTCGTACC
 CGGACCTCCTCACCATGCGGCTGGGGATCCTGCCCTGTTTATCATCGCCTTCTTCTCCCGGGAGCCCA
 CAAAGGACCTGGACGACAGCTTCGACTACCTCGTCGAGCGGTGCCAGCAGAGCTGTCATGGCCACTTCGT
 GCGGGCGCTCGTCAAGCCCTCAAGCGGGCCATGTATAGCGTGGAGCTGGCCGTGTCTACTTTTCCACC
 AGCGTGGGGACGTGGCAGAGGAGTCAAGAAGAGCAGCAGCCGGTGTATGCCGATGCCACCAGCGCCG
 CTGTCTGGTGACCACCACTACCAGCGAGAAAGCCACACTGGTTCGAACACGCCGAAGGCATGGCCAGCGA
 GATGTGCCCGGACCACTTACGCTGAGCGCAGAATCCAGCTCCGTGCTGTGCACTGACGCGCAAAAT
 ACCGTGGCTTCCGATGCAACAGTACCGCTCTG**

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>VC101258 representing YP_081526
Red=Cloning sites **Green**=Tags

MSPSVEETTSVTESIMFAIVSFKHMGPFEYGSMSADRAASDLLIGMFGSVSLVNLTTIIGCLWVLRVTRP
 PVSVMIFTWNLVLSQFFSILATMLSKGIMLRGALNLSLRLVLFVDDVGLYSTALFFLFLILDRLSAISY
 GRDLWHHETRENAGVALYAVAFWVLSI VAAVPTAATGSLDYRWLGCQIPIQYAAVDLTIKMWFLGAPM
 IAVLANVVELAYSDRRDHVWSYVGRVCTFYVTCLMLFVPYYCFRVLRGVLQPASAAGTGFIMDYVELAT
 RTLLTMRLGILPLFIIAFFSREPTKLDLDSFDYLVERCQQSCHGHFVRRVLVQALKRAMYSVELAVCYFST
 SVRDVAEAVKKSSRCYADATSAVVVVTTTTSEKATLVEHAEGMASEMCPGTTIDVSAESSVLCTDGEN
 TVASDATVTAL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_006273

ORF Size: 1293 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_081526](#)
RefSeq ORF: 1293 bp

Locus ID: 3077549

MW: 47.4 kDa