

Product datasheet for **VC100911**

UL46 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL46 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC100911 represents NCBI reference of NP_044516 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAGCGGGCGGCCAGAGGCGCTTCCAGCCTGAGACTCGCTAGATGCCTCACCCCTGCCAACCTGATCA
GAGGGGCAAATGCCGGGTCCCCGAACGGAGAATTTTCGAGGGTGCCTCCTCCCTACTCCCGAAGGGCT
CCTCTCCGCTGCAGTGGGCGTGTCCGGCAGCGGGCCGATGACCTGCAGCCAGCCTTCTCACCGGCGCT
GACAGAAGCGTGCGGCTCGTGCCTCCGGCATCACAAACCGTCCCTGAGTCCCTGATCGTGGACGGCTCG
CCAGCGATCCCCACTATGACTACATCCGGCACTACGCCAGCGCCCAAGCAGGCACTCGGGAGGTCGA
GCTGAGCGGGCCAACTGAGCCGGCAATTCTCGCCAGTACTGAAATACCTCCAGACCGTCTGTGCC
AGCGGGCTCGACATTCCTGACGACCCCGCGGGCACTGCGACCCCTCCCTGCACGTGCTGTCCGGCCCA
CCCTGCTGCCAAGCTCCTGGTGGGGCCCCCTCAAGTCCGGGGCCCGCCGCAAGTACGCCGCGC
CGTGGCCGGCCTGCGGGACGCGCCACCGGCTGCAGCAATATATGTTCTTCATGCGGCCCGCCGACCCA
TCCCGGCCAGCACCGACACCGCCTGCGGCTGTCCGAGCTCCTCGCATACGTGAGCGTCTCTACCACT
GGGCCAGCTGGATGCTGTGGACCGCAAGTACGTGTGTGGCGGCTCGGCCCTGCCGACCGGGGTT
CGTCGCCCTGTCCGGCAGCCTGGAGGCCCGCGAAACCTTCGCCCGCACCTCGACCGGGGGCCCTCC
GGGACCACCGGGAGCATGCAGTGCATGGCCCTCCGGGCGCCGTGAGCGATGTGTGGGCCACCTCACCC
GGCTCGCCACCTCTGGAAACCGGCAAGCGGAGCGGGGACCTACGGCATCGTGGACGCTATCGTCAG
CACCGTCGAGGTCCTCTCCATCGTGCACCACCGCCAGTACATCATCAACGCAACCTGACCGGGTAC
GTGGTGTGGGCAAGCGACAGCCTGAACAACGAGTATCTGACTGCCGCGTGGACAGCCAGGAACGGTCT
GCCGGACCGCTGCCCCCTCTTCCCAACATGACCGCCCTCCTGGGCACGGATGGAGCTGAGCATCAA
GAGCTGGTTCGGCGCGCCCTCGCCCCGACCTCCTGCGGTCCGGCACACCCAGCCCCACTATGAGAGC
ATCCTCCGGCTCGCCGAAGCGGCCCTCCGGCGGCGGGGCGCCGTGGCGGCTCCTGTCCGGGATAAAA
TCCAGCGGACCGGGGACAACGCCCTCCTCCACTGCCCGGGCCCGGCTCACTCCACACTGCCGC
CCCCGGCGGTGCAGACGGCACCAGGAGGACCTGCCGAGCCCCCACGTGACGCAGCCGATCGGGG
CCCGAGCCCTGCGCCGGGCGGCCACCTACTACCCACATGGCCGGCGCCCCCAGACTGCCAC
CCCGGAACCCGCTCCCCCGAGCAGCGCCCGTGCAGCAGCCCGCCCTGGCCGCCAGCGGAAGC
CGCAGGCGTCTACGACGCTGTGCGGACCTGGGGCCCCGACGCGAGGCTGAGCCGACCAATGGAGAAC
ACCTACCTGCTGCCCGACGACGCTGCAATGCCCGCAGGCGTGGGCTGGGAGCCACACCCGCTGCCG
ACACCACCGCCGCGCCCTGGCCCGAGAGGCCACGCCCCCGGGCACCTCCGAGGACGCCGACAG
CATTTACGAAAGCGTGGGCGAGGACGGCGGACGGGTGTACGAGGAGATCCCTGGGTGCGGGTCTACGAG
AACATTTGCCCGGGCGGGCTGGCCGGGGCGCCGACTGCCTGGCGACGCTCCCGACTCCCCATACA
TCGAGGCCGAGAACCCCTGTACGACTGGGGCGGACGCGCCCTTTAGCCACGGCGGGCCACCCGGG
TCCAGACCCCGGGCTCAGCCTCTCCCCATGCCCGCTCGGCTCGGACAAACGCTCTGGCAAACGACGGC
CCCACAAACGTGGCCGCTCTGTCCGCTCCTGACCAAACCAAGCGGGGCGGCACCAAGTCCCAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100911 representing NP_044516
Red=Cloning sites Green=Tags

MQRRARGASSLRARCLTPANLIRGANAGVPERRIFAGCLLPTPEGLLSAAVGVLRQRADDLQPAFLTGA
 DRSVRLAARHHNTVPESLIVDGLASDPHYDYIRHYASAAKQALGEVELSGGQLSRAILAQYWKYLQTVVP
 SGLDIPDDPAGDCDPSLHVLLRPPTLLPKLLVRAPFKSGAAAAYAAVAGLRDAAHRLQQYMFMRPADP
 SRPSTDTALRSELLAYVSVLYHWASWMLWTADKYVCRRLGPADRRFVALSGSLEAPAEETFARHLDRGPS
 GTTGSMQCMALRAAVSDVLGHLTRLAHLWETGKRSGGTYGIVDAIVSTVEVLSIVHHHAQYIINATLTGY
 VVWASDSLNNEYLTAAVDSQERFCRTAAPLFPTMTAPSWARMELSIKSWFGAALAPDLLRSRGTSPHYES
 ILRLAASGPPGGRGAVGGSCRDKIQTRTRDNAPPPLPRARPHSTPAAPRCRRRHREDLPEPPHVDAADR
 PEPACGRPATYYTHMAGAPPRLPPRNPAPPEQRPAAAARPLAAQREAAGVYDAVRTWGPDAEAEPDQMEN
 TYLLPDDDAAMPAGVGLGATPAADTTAAAAPAESHAPRASEDADSIYESVGEDGGRVYEEIPWVRVYE
 NICPRRRLAGGAALPGDAPDSPYIEAENPLYDWGGSALFSPRRATRAPDPGLSLSPMPARPRTNALANDG
 PTNVAALSALLTKLKRGRHQSH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001798

ORF Size: 2166 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_044516](#)

RefSeq ORF: 2166 bp

Locus ID: 1487333

MW: 77.7 kDa