

Product datasheet for **VC100834**

UL46 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL46 (NC_001806) 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 VC100834 represents NCBI reference of NP_044648 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAAAGGAGAACCAGAGGTGCCTCCAGCTTGAGGCTGGCACGATGTCTGACGCCGGCTAACCTGATCC
GAGGCGACAATGCAGGGGTTCTGAGCGCCGATTTTCGGCGGATGTCTCCTGCCAACACCAGAGGGATT
GTTGAGCGCTGCAGTTGGAGCCCTTCGGCAGCGCTCCGATGACGCACAACCCGCCTTTCTTACATGTA
GACCGCTCAGTTAGGCTGGCCGCCGACAACAACACTGTGCCTGAAAGCCTCATCGTGGACGGGTTGG
CCAGTGATCCTCATTATGAGTATATACGCCATTATGCCTCAGCTGCCACTCAGGCCCTGGTGAAGTGA
GTTGCCAGGCGGACAGTTGAGCAGAGCAATTCACCCAGTATTGGAAGTACCTGCAGACTGTGGTACCC
AGTGGGCTGGATGTCCCGAAGATCCTGTAGGAGATTGTGATCCCTCCCTTCATGTTCTGCTTCGCCCA
CCTTGGCTCCCAAGCTGTGGCCAGAATCCCTTTAAAAGCGGCGGGTCTGCAAGTACGCCGCCAC
AGTGGCAGGGCTGCGCGACGCATTGCACAGAATTCAGCAGTACATGTTTTTATGAGACCCGCCGATCCA
TCCCGGCCGAGCACAGACACGGCACTCAGATTGAACGAGCTGCTCGCATACGTGTCTGTGCTGTACCCGT
GGGCCAGCTGGATGCTCTGGACTACGGATAAACATGTGTGTACAGACTGAGCCCTAGCAATAGGAGATT
TCTCCCTCTTGGGGGTTCCCGAAGCTCCAGCAGAGACCTTCGCCCGACATCTGGATAGAGGGCCAAGT
GGGACTACAGGTTCTATGCAGTGCATGGCTTGAGGGCTGCCGTGAGTGCAGTGTGGGACACCTGACAC
GCCTCGCAATCTCTGGCAGACTGGGAAAAGAAGCGGTGGGACCTATGGCACGGTGGATACAGTCGTC
TACCGTGAAGTGTGTCCATCGTCCACCACCGCTCAGTATAAATTAACGCCACGCTCACTGGCTAC
GGAGTGTGGGCGACCGACTCCCTGAATAATGAGTACTTGAGGGCGGGTGGATAGCCAAGAGAGGTTCT
GTCGCACCACTGCCCGTTGTTTCTACCATGACCGCCCTCTTGGGCACGGATGGAAGTGTCAATCAA
AGCCTGGTTCCGGGCGCCCTGGCTGCTGACCTGCTTCGGAACGGGGCTCCGTCACTTCATTATGAATCA
ATACTGAGGCTGGTAGCCTCCAGAAGAACCACCTGGTCAGCAGGACCCCCCAGACGATATGGCATCTG
GACCAGGAGGACACAGGGCCGGGGTGGCACGTGTGCGGAGAAGATACAGCGGGCGAGGAGAGATAATGA
GCCACCTCCACTGCCAAGACCAGATTGCATTCCACACCCGCATCCACGCGCCGCTTTAGGAGGCGCCG
GCAGACGGGGCTGGGCTCCTCTCCCTGATGCTAATGATCCCGTGGCAGAACCCTGCTGCTGCCACTC
AGCCTGCAACATACTATAACCCACATGGGAGAAGTGCCACCCAGACTCCCTGCACGGAATGTGCGGGGGC
AGATCGGAGACCCCGGCTGCCACATGCCCTTGCTGGTAAGAAGGGCTAGTCTGGGCTCTCTGGACCGG
CCTCGGGTGTGGGACCTGCACCTGAAGGTGAGCCGGATCAGATGGAGGCCACTTACCTGACCGCCGACG
ACGACGACGATGACGCTAGACGCAAAGCCACTCATGCCGCTCCGCCGAGAACGGCACGCTCCCTATGA
GGATGATGAAAGTATTTATGAGACTGTCAGCGAGGACGGCGGGCGGGTTTATGAAGAGATTCCATGGATG
CGCGTATATGAGAATGTCTGCGTGAATACCGCAAATGCTGCACCTGCTTCCCTTATATCGAGGCAGAGA
ACCCACTTACGATTGGGGCGGGAGTGCAGTGTTCACCCCAAGTCCGACGGGTCGCCACCACCTCC
ATTGCTCCAAGTCCCGTGTGGCTCGACACCGAGCTAACGCCCTGACCAATGACGGTCCCACTAATGTA
GCAGCCCTCTGCTTTGCTGACAAAGCTCAAGAGAGAAGGAAGGAGAAGCAGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100834 representing NP_044648
Red=Cloning sites Green=Tags

MQRRTRGASSLRARCLTPANLIRGDNAGVPERRIFGGCLLPTPEGLLSAAVGLRQRSDDAQPFLTCT
 DRSVRLAARQHNTVPESLIVDGLASDPHYEYIRHYASAATQALGEVELPGGQLSRAILTQYWKYLQTVVP
 SGLDVPEDPVGDCPSLHVLLRPTLAPKLLARTPFKSGAVAAKYAATVAGLRDALHRIQQYMFMRPADP
 SRPSTDTALRLNELLAYVSVLYRWASWMLWTTDKHVCHRLSPSNRRFLPLGGSPPEAETFARHLDRGSPS
 GTTGSMQCMALRAAVSDVLGHLTRLANLWQTGKRSGGTYGTVDTVVSTVEVLSIVHHHAQYIINATLTGY
 GWWATDSLNNEYLRAAVDSQERFCRTTAPLFPMTAPSWARMELSIKAWFGAALAADLLRNGAPSLHYES
 ILRLVASRRTTWSAGPPDDMASGPGGHRAGGGTCREKIQARRDNEPPPLPRPRLHSTPASTRRFRRRR
 ADGAGPPLPDANDPVAEPPAAATQPATYYTHMGEVPPRLPARNVAGPDRRPPAATCPLLVRASLSGLDR
 PRVWGPAPEGEPDQMEATYLTADDDDDARRKATHAASARERHAPYEDDESIYETVSEDGGRVYEEIPWM
 RYVENVCVNTANAAPASPYIEAENPLYDWGGSALFSPPGRTGPPPPPLSPSPVLARHRANALTNDGPTNV
 AALSALLTKLKREGRRSR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001806

ORF Size: 2154 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_044648](#)

RefSeq ORF: 2154 bp

Locus ID: 2703413

UniProt ID: [P04413](#)

MW: 78.2 kDa