

Product datasheet for **VC100874**

UL10 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL10 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL10
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 VC100874 represents NCBI reference of NP_044479 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTAGAAGAGCTCCACGCGGCAGCCAGAGGCTGCTCCAGGGCAGATGTTGCTCCGGGGCACGCG
CCGCTTGGTGGGTGGTGTGTACAGGTGGCAACCTTCATCGTGAGCGCGATCTGTGTTGTCGGATTGCT
CGTGCTTGCCTCCGTGTTACAGAGACCGCTTTCATGTCTCTACGCGCCAGCAACCAGCTACGCTAAAGCC
AACGCCACAGTGGAGGTGCGAGGGGGGGTGGCCGTGCCTTTAGACTCGACACACAGTCTCTGTTGGCTA
CCTATGCCATTACAAGTACCCTGCTGCTCGCCGCCCGTATACGCAGCCGTGGGTGCGGTAACATCTAG
GTATGAGCGCGCCCTGGACGCTGCCAGGCGGCTGGCTGCTGCCAGAATGGCAATGCCTCACGCTACTCTC
ATCGCTGGTAACGTATGTGCTGGCTTCTGCAGATTACGGTCTCCTTCTGGCCCATAGGATCAGCCAAC
TTGCTCACCTCATTACGTGCTCACTTTGCCTGCCTTGTGATTTGGCTGCTCATTCTGTACCCGCGG
GGTACTCTCCGGCACTTACCTTAGGCAGGTCCATGGATTGATAGACCCGGCCCTACCCACCATCGCATT
GTGGGACCCGTACGCGCTGTGATGACAAATGCCCTGTTGTTGGCACTTTGCTCTGCACAGCCGCTGCCG
CCGTGAGTCTCAATAACAATCGCAGCCTTGAACCTTAATTTCTCTGCTCCTTCCATGCTCATTGTCCTGAC
AACCTTTTTGCAATTGCTTGTGGTATCACTCCTGCTTGTGCTGGAAGGCGTCTGTGCCACTACGTGCGC
GTCCTGGTTGGTCCACATCTGGGAGCCATTGCCGCCACAGGCATTGTCGGACTTGCCTGTGAGCACTATC
ATACTGGAGGATATTATGTAGTCGAGCAGCAATGGCCAGGGGCTCAGACTGGTGTTCGCTGGCTCTGGC
GCTTGTGGCAGCATTGCCCTCGCCATGGCAGTTTTGAGATGCACACGCGCCTATCTCTATCATAGGCGC
CACCATACAAAGTTCTTTGTACGCATGCGGGATACCAGACATCGGCCCATAGCGCTTTGAGAAGGGTGC
GCTCATCTATGAGGGGCTCCCGAAGAGGCGGCCGCTGGGGACCCAGGCTACGCAGAAACTCCATATGC
TTCTGTCTCTCATACGCTGAAATAGATCGATACGGCGATAGCGATGGAGATCCAATATACGACGAAGTG
GCACCTGATCACGAGGCAGAACTTTACGCCAGAGTGCAGAGACCCGGACCAGTCCCTGACGCAGAGCCTA
TTTACGATACGGTTGAGGGGTATGCTCCAAGAAGTGCGGGCGAGCCGGTGTACTCTACAGTGAGGAGGTG
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100874 representing NP_044479

Red=Cloning sites Green=Tags

MGRRAPRGSPEAAPGADVAPGARAANWVWCVQVATFIVSAICVVGLLVLASVFRDRFPCLYAPATSYAKA
NATVEVRGGVAVPLRLDTQSLLATYAITSTLLAAVYAAVAVTSRYERALDAARRLAAARMAMPHATL
IAGNVCAWLLQITVLLL AHRISQLAHLIYVLHFACL VYLAHFCTRGVLSGTYL RQVHGLIDPAPTHHRI
VGPVRAVMTNALLL GTLLCTAAA VSLNTIAALNFNFSAPSML ICLTTLFALLVVSLLL VVEGV LCHYVR
VLVGPLGAI AATGIVGLACEHYHTGGYYVVEQQWPGAQTGVRVALALVAALAMAVLRCTRAYLYHRR
HHTKFFVRMRDTRHRAHSALRRVRSSMRGSRGGPPGDPGYAETPYASVSHHAEIDRYGSDSDGDPYDEY
APDHEAELYARVQRPGVPDAEPIYDTVEGYAPRSAGEPVYSTVRRW

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NC_001798

ORF Size: 1401 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_044479](#)

RefSeq ORF: 1401 bp

Locus ID: 1487293

MW: 50.4 kDa