

Product datasheet for **VC101273**

UL94 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL94 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101273 represents NCBI reference of YP_081541 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGGAGATCCGGGCTGTGCGAAACCGATAGCCGGACCCTGAAGCAGTTCCTGCAGGAGGAATGTA
TGTGAAACTGGTCGGGAAGAGCCGGAAGCACCCGGGAGTATCGGGCAGTGGCCTGCCGGAGCACCATCTT
CAGCCCCGAGGACGACGGCAGCTGCATCCTCTGCCAACTGCTCCTGTTCTACAGAGACGGCGAGTGGATT
CTCTGCCGTGTGCTGTAACGGACGGTACCAGGGCCATTATGGGGTGGGACACGTGCACAGACGGCGCGCC
GGATCTGCCACCTCCCTACCCTGTACCAGCTGAGCTTCGGGGGGCCCTCGGCCCCGCCAGCATCGACTT
CCTGCCAGCTTCAGCCAGGTGACAAGCAGCATGACCTGCGACGGCATCACCCCTGACGTGATCTACGAG
GTGTGCATGCTGGTCCCCAGGACGAGGCCAAGCGGATCCTGGTGAAGGGACACGGCGCCATGGACCTGA
CCTGCCAGAAGGCCGTGACCCTGGGCGCGCCGGCGCCTGGTGTGCCCCGGCCCGAGGGCTACACCCCT
GTTCTTCTACATCCTGTGCTACGACCTGTTACCAGCTGTGAAACCGGTGCGACATTCCCAGCATGACC
CGGCTGATGGCAGCCGCAACCGCATGTGGGCAAGCCGGCTGCAGTTCGTACCGACCACGAGGGCCACG
TCGACCCACCGCAACTACGTGGGTGCACACCCGACATGGGCAGATGCCTGTGCTACGTGCCCTGTGG
CCCCATGACCCAGAGCCTGATCCACAACGAAGAACCCGCTACCTTCTTCTGCGAGAGCGACGACGCCAAG
TACCTGTGCGCCGTCGGCAGCAAGACCCGCCCAAGTACCCTCGGCGACGGGCTGGACTACCACATTG
GCGTGAAGGACAGCGAGGGCCGGTGGCTCCCCGTAAGACCGACGTGTGGGATCTCGTGAAGGTGGAGGA
ACCAGTGAGCAGAATGATTGTCTGTAGCTGCCCGTGCTCAAAAACCTCGTGCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101273 representing YP_081541
Red=Cloning sites Green=Tags

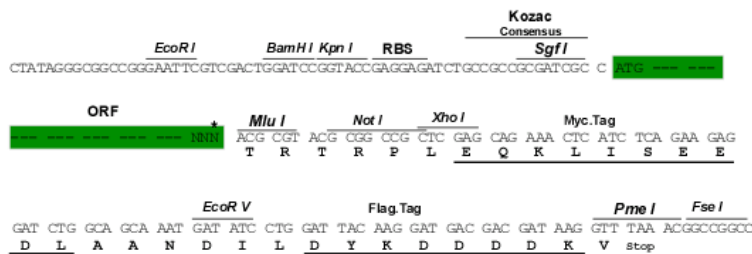
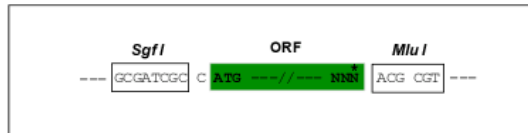
MAWRSGLCETDSRTLKQFLQEECMWKLVGKSRKHREYRAVACRSTIFSPEDDGSCILCQLLLFYRDGEWI
 LCLCCNGRYQGHYGVGHVHRRRRRICHPLTYQLSFGGPLGPASIDFLPSFSQVTSMTCDGITPDVIYE
 VCMLVPQDEAKRILVKGHGAMDLTQKAVTLGGAGAWLLPRPEGYTLFFYILCYDLFTSCGNRCDIPSMT
 RLMAAATACGQAGCSFCTDHEGHVDPTGNYVGC TPD MGRCLCYVPCGPMTQSLIHNEEPATFFCESDDAK
 YLCAVGSKTAAQVTLGDGLDYHIGVKDSEGRWLPVKTDVWDLVKVEEVS RMIVCSCPVLKNLVH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_006273

ORF Size: 1035 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_081541
RefSeq ORF: 1035 bp
Locus ID: 3077496
MW: 38.3 kDa