

## Product datasheet for **VC100894**

### UL29 (NC\_001798) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL29 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100894 represents NCBI reference of NP_044499 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACACGAAGCCTAAGACCACTACCACAGTAAAAGTGCCTCCTGGGCCGATGGGCTACGTGTATGGTA  
GGGCTGTCCCGCAGAGGGCCTGGAGCTGCTTTCTCTGCTGTCCGCCAGGAGTGGCGATGCCGATGTTGC  
TGTCGCCCCCTGATTGTAGGCCTCACCGTGGAGTCCGGGTTTGAGGCCAATGTGGCTCCGCTCGTGGGG  
AGCAGAACTACCGGTCTCGGAGGGACGGCAGTCTCTCAAGTTGATGCCTAGCATTACAGCCCCCTCAG  
TGTACGTTTTCCACGGCGGTCGGCACCTTGTCTCCTTCTACCCAGGCTCCAAATCTCACCCGCTCTGTGA  
GAGAGCCAGACCACATTTTCGGGTTTGCCGACTATGCTCCACGGCCATGCGATCTTAAGCACGAAACAACC  
GGAGAGCAGCTGTGCGAGAGACTGGCCTTGACCCTGACCGAGCCCTCCTGTACCTCGTGTACTGAAG  
GCTTCAGAGAAGCCGTATGTATCAGCAACACCTTCTGCATCTTGGTGGCATGGATAAAGTACCATAGG  
CGACGCAGAAGTGCACAGGATCCCCGTATATCCTCTGCAAATGTTTATGCCTGATTTTTCTCGGGTAATC  
GCCGACCCATTCAACTGTAACCATCGGAGCATCGGGGAGAATTTAATTATCCTCTGCCCTTTTTCAATC  
GCCCTCTTGAAGCTTCTCTTGAAGCCGTGTGGGTCGGCCGCTGTTGCACTTAGAGCCAGGAACGT  
CGACGCCGTGGCAAGAGCAGCTGCACACCTGGCGTTTGATGAGAACCATGAGGGCGCTGCTTCTCCTGCT  
GATATTACATTACAGCATTGAAAGCCTCCAGGGAAAGCCTCAGAGAGGGGCTAGAGACGCTGGCAACA  
AGGGTCCAGCGGGGGGATTTCGAGCAACGGCTCGCCTCTGTTATGGCAGGGGACGCTGCACTGGCCCTTGA  
GAGCATCGTGAGCATGGCCGTGTTTGACGAGCCTCCACCAGACATTACCACCTGGCCTCTTTTGAAGGC  
CAAGAGACCCCTGCCCGAGAGCCGGGGCTGTGGGCGCCTATCTCGCCGGGCAGCTGGCCTGGTGGGGG  
CAATGGTGTAGTACCAACAGCGCCCTGCACCTGACTGAAGTGGATGACGCAGGCCCTGCTGACCCAAA  
AGACCACTTAAGCCTTCATTTTACAGGTTTTTCTTGGTCCCGGAACCCATGTCCGCCCAACCCACAG  
CTGGACCCGGGAGGGTCATGTGGTGCCTGGGTATGAGGGAAGCCAAACCGCCCCCTCGTGGGAGGGACAC  
AGGAGTTTGGCGGGGAGCATCTGGAATGTTGTGGCTTTAGCCACGCTTGTGGCTAAGATGCTGTT  
TTACCTGGAACGCTGCATGGTGGGTCATTGTGGTCCGAGGAAATGGACGTGTTTCGCTACGTCGCA  
GATTCCGGCCAGACCGACGTTCCCTGTAATCTGTGTACCTTTGAGACCGGACATGCTGTGCGCACACAA



CCCTCATGAGGCTGCGCGCTAGACACCCAAAGTTCGCCTCAGCGGCACGGGGGCAATTGGGGTGTTTGG  
CACGATGAACAGCGCTTATTCTGATTGCGACGTTCTGGGTAATTACGCCGCTTTCTCCGCTCTTAAGCGC  
GCTGATGGGTGAGAGAACACCCGGACAATCATGCAGGAGACCTATCGCGCTGCAACTGAAAGGGTAAATGG  
CCGAGCTGGAGGCACTGCAATACGTTGACCAGGCTGTACCCACTGCGCTCGGAAGACTTGAGACCATCAT  
TGGGAATCGCGAAGCCCTGCATACAGTTGTGAACAATATCAAACAGCTCGTTGATCGGGAAGTAGAACAG  
CTGATCGGGAACCTCATCGAGGGCAGAAATTTAAGTTTCAGAGACGGCCTCGCTGAGGCCAACACGCTA  
TGAGCCTTAGCCTGGACCCATACACATGTGGCCCTTGTCCTTCTGCAGCTGTGGCAAGAAGATCAAA  
CCTGGCTGTCTATCAGGACTTGGCTCTCTCCAGTGTATGGCGTGTTCGCTGGTCAGAGTGTGCAAGGC  
CGGAATTTTCGAAATCAGTTCACGCCGTGCTGAGAAGGCGAGTCATGGATCTCTTTAACACGGATTCC  
TGAGCGCGAAAACACTGACTGTTGCTTTGTCTGAAGGGGCGCCATCTGTGCGCCACGCTGACAGCTGG  
ACAAACCCGACCTGCTGAATCCAGCTTTGAGGGCGATGTTGCGCGGGTAACATTGGGATTTCTTAAGGAA  
CTTAGGGTCAAGTCTAGGGTCTCTCGCTGGCGCAAGCGCAACGCTAGTGAGGCGCAAGGCCCGCG  
TTGCATCCCTCCAGTCTGCCTACCAGAAACCCGACAAACGAGTTGATATTTGCTGGCCCGCTTGGTTT  
CCTCCTGAAGCAGTTCACGCCGTGATATCCCAATGGTAAGCCGCCAGGCAGTAACCAGCCAAACCCC  
CAGTGGTTCTGGACCGCTCTCCAGCGCAACCAGCTGCCTGCACGGCTCCTGAGCCGCGAGGATATAGAGA  
CAATTGCTTTTATCAAAAGATTTAGCCTCGACTACGGCGCAATAAACTTTATTAATCTTGCCCTAATAA  
CGTGTCTGAGCTGGCTATGTAATATATGGCCAATCAGATTCTGAGATATTGCGACCATAGCACCTACTTC  
ATCAACACTCTGACAGCCGTGATCGCCGGCTCCAGACGGCCTCCTTCTGTTCAAGCCGCCGCTGCCTGGG  
CTCCACAAGGTGGAGCCGGTCTGGAAGCAGGAGCTCGGGCACTTATGGACTCACTCGACGCTCATCCCGG  
CGCCTGGACTTCAATGTTTGCAAGCTGTAACCTGCTCCGACCTGTGATGGCTGCACGGCCGATGGTGGTG  
TTGGGGCTGTCCATTAGTAAGTATTATGGCATGGCCGAAACGATAGGGTCTTTCAAGCTGGAACTGGG  
CTAGCCTGCTGGGAGGCAAGAATGCTTGTCCATTGCTGATTTTACCAGAACGCGGAAGTTTGTCTCGC  
TTGTCCAAGGGCCGGTTCTGCTGTGCCCTCATCCTTGGCGCGGGCCCATGAGCACTCCCTTTGT  
GAACAGCTGAGAGGGATTATTGCCGAGGGAGGGCCGAGTGGCATCCAGCGTGTTCGCTACTGTTA  
AATCACTTGGTCTAGAACCAGCAACTCCAGATTGAAGACTGGCTGGCCCTTTTGAAGATGAATACCT  
GTCAGAGGAAATGATGGAGTTCACGACAAGAGCTCTGGAACGGGGCCACGGCGAGTGGAGTACCGACGCC  
GCCCTTGAAGTCTGCTCACGAAGCTGAGGCCTTGGTGAAGCAGCTTGGGGCTGCCGGCGAGGTCTTCAACT  
TTGGAGATTTCCGCGACGAAGATGACCATGCCGAAGTTTGGGGGACTGGCCGCGGCAGCAGGCCCGCG  
AGGTGTGGCCGAAAACGCGCTTCCACGGCGATGATCCTTTCGGGGAGGGGCCACCTGAAAGAAAGAC  
TTGACTTTGGACATGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100894 representing NP\_044499  
 Red=Cloning sites Green=Tags

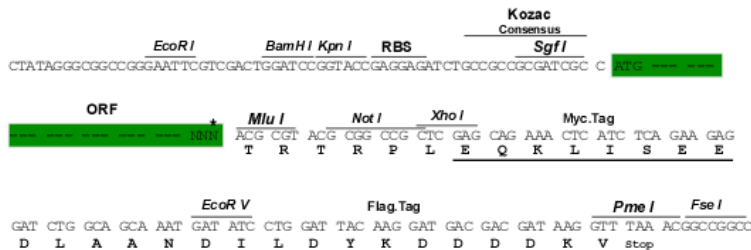
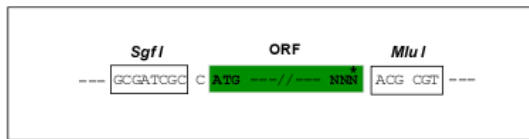
MDTKPKTTTTVKVPPGPMGYVYGRACPAEGLELLSLLSARSGDADVAVAPLIVGLTVESGFANVAAVVG  
 SRTTGLGGTAVSLKLMPSHYSPSVYVFHGGRHLAPSTQAPNLTRL CERARPHFGFADYAPRPCDLKHETT  
 GDALCERLGLDPRALLYL VITEGFREAVCISNTFLHLGGMDKVTIGDAEVHRIPVYPLQMFMPDFSRVI  
 ADPFNCNHRSIGENFNYP L PFFNRPLARLLFEAVVGPAAVALRARNVDAVARAAHLAFDENHEGAALPA  
 DITFTAFAEQGKQRGARDAGNKGPAGGFEQRLASVMAGDAALALE SIVSMAVFDEPPDITTWLLEG  
 QETPAARAGAVGAYLARAAGLVGAMVFSTNSALHLTEVDDAGPADPKDHSKPSFYRFFLVPGTHVANPQ  
 LDREGHVVPGEGRPTAPLVGGTQEFAGEHLAMLCGFS PALLAKMLFYLERCDGGVIVGRQEMDFRYVA  
 DSGQTDVPCNLCTFETRACAHHTLMRLRARHPKFASAARGAIGVFGTMNSAYSDCDVLGNAAFSALKR  
 ADGSENTRTIMQETYRAATERVMAELEALQYVDQAVPTALGRLETIIGNREALHTVNNIKQLVDREVEQ  
 LMRNLEIEGRNFKFRDGLAEANHAMSLSDPYTCGPCPLLQLLARRSNLAVYQDLALSQCHGVFAGQSVGE  
 RNFRNQFPVLRRRVMDLFNNGFLSAKTLTVALSEGAAICAPSLTAGQTAPAESSFEGDVARVTLGFPKE  
 LRVKSRVLFAGASANASEAAKARVASLQSAYQKPKRVDILLGPLGFLKQFHAVIFPNGKPPGSNQPNP  
 QWFWTALQRNQLPARLLSREDIETIAFIKRFSLDYGAINFINLAPNNVSELAMYYMANQILRYCDHSTYF  
 INTLTAVIAGSRPPSVQAAA WAPQGGAGLEAGARALMDSLDAHPGAWTSMFASCNLLRPVMAARPMVV  
 LGLSISKYYGMAGNDRVFQAGNWSLLGGKNACPLLIFDRTRKFLVACPRAGFVCAASSLGGGAHEHSLC  
 EQLRGIIEAGGA AVASSVFVATVKS LGPRTQQLQIEDWLALLEDEYLSEEMMEFTTRALERGHGEWSTDA  
 ALEVAHEAEALVSQLGAAGEVFNF GDFGDEDDHAASFGLAAAAGAAGVARKRAFHGDDPFGEPPPEKDD  
 LTL DML

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\_001798

ORF Size: 3588 bp

<b>OTI Disclaimer:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NC_001798.1</a> , <a href="#">NP_044499</a>
<b>RefSeq ORF:</b>	3588 bp
<b>Locus ID:</b>	1487314
<b>MW:</b>	128.4 kDa