

## Product datasheet for **VC101245**

### **UL55 (NC\_006273) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	UL55 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL55
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 VC101245 represents NCBI reference of YP\_081514 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTCTCGCATCTGGTGTCTCGTCGTTTGTGTAACTTGTGTATCGTTTGTCTCGGTGCTGCCGTAT  
CCAGCTCTAGTACGAGGGGAACCTCCGCAACTCACTCCCACCACAGCTCACACACCACAAGTGGCGCACA  
TTCAAGGTCCGGGAGTGTGTCTCAGAGAGTGACATCCAGCCAGACTGTTTCACATGGAGTAAACGAGACT  
ATATATAACTACTACCTTAAATACGGCGACGTTGTGGCGTGAACACTACTAAGTACCCTTACAGAGTGT  
GTTCCATGGCCCAGGGAACAGACCTGATCCGGTTCGAGCGGAACATCGTGTGACTAGCATGAAACCAAT  
CAACGAGGATCTCGATGAGGGAATTATGGTTGTGTACAAACGCAACATCGTTGCACATACTTTAAGGTA  
AGAGTGTATCAGAAAGTCTGACTTTTAGGCGGTCTATGCCTACATCCACACCCTTACCTGCTGGGCT  
CAAATACAGAGTATGTGGCACCTCAATGTGGGAAATTCACCACATCAATTCTCATAGCCAGTGCTATAG  
CAGCTATTCTCGCGTGATAGCCGGAACCGTGTTCGTTGCATATCATAGAGATTCCTATGAGAACAAAC  
ATGCAGCTCATGCCCCGAGATTACTCCAACACTCACAGTACAAGGTATGTCACCGTCAAGGATCAGTGGC  
ACAGTCGAGGAAGCACGTGGCTCTACAGAGAGACATGCAATCTGAACTGTATGGTTACCATAACTACGGC  
CAGATCAAATATCCTTATCATTTCGCGACTTCCACCGGCGATGTGGTGGACATTAGCCCTTTCTAC  
AACGGCACTAACGAAATGCGAGCTACTTTGGGGAGAATGCCGATAAATTTTTATCTTCCCAAATTACA  
CCATAGTGTCCAGATTTCCGCGAGCTAAGTCAAGACGAAAAGAAGTACCTGCCAGCTGACATTCTGGGAG  
CGCAGATCCGTGATCAGCTGGGATATTAAGACGAAAAGAAGTACCTGCCAGCTGACATTCTGGGAG  
GCCTCCGAGAGAACTATCAGAAGTGAAGCCGAGGATAGTACCATTTAGCAGTGGCAAGATGACGGCCA  
CGTTCTTTCAAAGAAACAAGAGGTGAACATGAGCGACTCCGCTTGGACTGCGTTAGGGACGAGGCGAT  
CAACAAGCTTCAGCAGATTTTCAATACATCTTACAACCAGACCTACGAGAAGTACGGAATGTGTCCGTA  
TTCGAGACAACGGGAGGGCTGGTGGTATTTGGCAGGGTATTAACAGAAAAGCCTCGTGGAGCTCGAAC  
GGCTGGTAAACAGGAGCTCTCTGAATCTTACCACAATCGGACGAAACGGTCCACTGACGGCAACAACGC  
TACACATTTGAGTAACATGGAAGCGTGCACAATCTTGTGTACGCCAGCTCCAGTTCACCTACGATACC  
CTGCGCGGTACATCAACAGGGCACTGGCCAGATCGCCGAGGCATGGTGTGATCAGAGGCGCACTT  
TGGAGGTCTTCAAGGAGCTCTCCAAGATCAACCCTCTGCCATTCTAGCGCTATCTACAACAAGCCCAT  
TGCTGCCAGGTTCATGGGGATGCTCTGGGCTGGCTTCTGCGTCACCATTAATCAGACGAGTGTAAAG  
GTGCTCCGAGACATGAATGTGAAGGAGAGTCCCGGGAGATGCTACTCCCGACCCGTGCTGATTTCAACT  
TCGCGAACAGCAGCTATGTGCAGTACGGCAACTGGGAGAAGATAACGAAATCCTCTGGGTAACACCAG  
GACCGAAGAATGTGAGTGCCTAGCCTGAAGATTTTCAATGCTGGCAACTCCGCTTATGAGTATGTGGAC  
TATTTGTTCAAGAGGATGATTGACCTCAGTAGCATCTCAACAGTGGACAGTATGATCGCTTTGGATATAG  
ACCCACTGGAGAACACAGACTTTAGAGTCTGAACTGTACTCCAGAAAGAGCTCAGATCTTCCAACGT  
GTTTCGATTTGGAGGAGATAATGCGCGAGTTAATCTTACAACAACGGGTGAAGTACGTGGAAGACAAG  
GTGGTGGATCCCCTCCCCCTATCTCAAAGACTGGATGATCTTATGAGTGGTCTGGGAGCCGCAAGTA  
AGGCTGTGGGAGTGGCAATCGGTGCCGTTGGGGGGCCGTAGCCAGTGTCTGCGAAGGTGTGGCGACTTT  
CCTGAAGAACCCTTCGCGCCTTACGATCATCCTCGTGCCATCGCTGTAGTATTATCACTTACTTG  
ATTTATACTAGACAACGGAGACTCTGCACGAGCCTCTGCAGAATCTGTTCCCTTACCTGTATCTGCCG  
ATGGAACAATGTCAACAGCGGCTCAACCAAGGATACGAGCTTGCAGGCTCCTCCGAGTTATGAAGAATC  
TGTTTACAACAGCGGCCGGAAGGACCAGGCCACCCAGTAGCGACGCCAGCACTGCCGCCCCACCATAC  
ACTAACGAAACAGGCTACCAGATGCTGCTTGTGGCTAGGCTGGACGCTGAACAGCGCGCACAACAAA  
ACGGGACAGACAGTCTGGACGGGCGGACCAGCAACCCAGGATAAGGGGCAGAAGCCCAACTTGCTTGATCG  
GCTGCGGACCCGGAAGAACGGCTATCGGCATCTCAAAGATAGCGACGAAGAGGAGAACGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >VC101245 representing YP\_081514  
 Red=Cloning sites Green=Tags

MESRIWCLVVCVNL CIVCLGAAVSSSTRGTSATHSHSSHTTSAHRSRSGSVSQRTVSSQTVSHGVNET  
 IYNTTLKYGDVGVNTTKYPYRVCMAQGTDLIRFERNIVCTSMKPINEDLDEGIMVVYKRNIVAHTFKV  
 RYVQKGLTFRRSYAYIHTTYLLGSNTEYVAPPMEIHHINSHSQCYSSYSRVIAGTVFVAYHRDSYENKT  
 MQLMPDDYSNTHSTRYVTVKQDQWHSRGSTWL YRETCNLNCMVITITARSKYPYHFFATSTGDVVDISPFI  
 NGTNRNASYFGENADKFFIFPNYTI VSDFRPNSALETHRLVAFLE RADSVISWDIQDEKNVTCQLTFWE  
 ASERTIRSEAEDSYHFSSAKMTATFLSKKQEVNMSDSALDCVRDEAINKLQQIFNTSYNQTYEKYGNVSV  
 FETTGGLVVFQGIKQKSLVELERLANRSSLNLTHNRTRKSTDGNNATHLSNMESVHNLVYAQLQFTYDT  
 LRGYINRALAQIAEAWCVDQRTLEVFKE LSKINPSAILSAIYNKPIAARFMGDVGLASCVTINQTSVK  
 VLRDMNVKESPGRCYSRPVVI FNFANSSYVQYGQLGEDNEILLGNHRTEECQLPSLKIFIAGNSAYEYVD  
 YLFRMIDLSSISTVDSMIALDIDPLENTDFRVELEYSQKELRSSNVFDLEEIMREFNSYKQRVKYVEDK  
 VVDPLPPYLKGLDDLMSGLGAAGKAVGVAIGAVGGAVASVVEGVATFLKNPFGAF T IILVAIAVVIITYL  
 IYTRQRRLLCTQPLQNLFPYLVSADGTTVTSGSTKDTSLQAPPSYEE SVYNSGRKGPSPSSDASTAAPPY  
 TNEQAYQMLLALARLDAEQRAQQNGTDSLDRGTGTQDKGQKPNLLDRLRHRKNGYRHLKDSDEEENV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

NC\_006273

<b>ORF Size:</b>	2721 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>	<u><a href="#">NC_006273.2, YP_081514</a></u>
<b>RefSeq ORF:</b>	2721 bp
<b>Locus ID:</b>	3077424
<b>MW:</b>	101.9 kDa