

## Product datasheet for **VC101267**

### **UL87 (NC\_006273) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	UL87 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL87
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 VC101267 represents NCBI reference of YP\_081535 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCGGCGCCGCTCCCGGGCGCTCGGATGCGACGCCCTGATTGTCGTCGGGGGAGCCCATGCCAC  
GGAGAGTCTCCATGTGCCCGTGCATGTCCGGGCATGCAACCTGACACAGGAACCTCCACCGCGGAGGA  
CGCACGGTTTTGCAGACCCAGACCTGTCAACGTGCAACGGGTGAGAGCAGTCTTCGACAGCCCTATCGG  
GCATGCCCATCCACGTGAGAAGTGAAGCTCGTCTGGGACGGCTCCTCTGGGAC  
CTGTGCGAGTGCCATGCTTCTGCGATGGCGAAGTGAAGGCCACGGCGAGCACCTGGTGCCTACCACACA  
ATTCTGCCGGGGCCCTCCTGTACGTGACCGGGGTGTTGCTGCGGCAGCGTCACCGCCGGCCGGCC  
CTGAGCTATCACGTGCTGGAGAACCACGTGCCACCCACGTGCTGCGGGCCCTGCTGAGCCTGACCGAGT  
GGAACCGGAGCTGCCAGCCTGTTTTGCGACTGCCCGGGGGCGGGCGCCTCCGGAACCGAGGAACG  
GTACGCCATGGCCTGCCTGCCCGGGACCTGAGCCTCCATCTCGACGACTACCCATACCTGATGGTGC  
ATCGGGCGGGTGCTCAGCGTCTCCGAGGTGACGATTACGTGACCGCCGTGAGCGGGTATCTGGGGGAGG  
CCGCCGCCCGGGATCCAGGTGCATTACAAGCTCCTGTTGCGCCTGAACGTGAGACCCCAAGCCCCCTG  
CGCCCTGGACGCCACCGGGACTTCTTTCTGCTGGAGTGCAGAAGCTCTGGCTCGGCGTCAATACCCAC  
CACGAGGTGACAGCGAATTCTTCGGCAGAGTGTCCGCCAGTGCACCGGGACCGGGCCCGGGTATGA  
TGGCCCTGCGGCTGCCCGAGCAGACCGTGTGCCACCTGAGCACCTTCGTGCTGTCCCGGTTCAAGCGGCA  
GGTGCTCTACTTCAAGCTGCAGGTGAGCTACGGGAAGTGCCGGACCGGCCACCGGACCGGGCGGCG  
GGCGCAACCGGGAAACCCAGGGCCATCACAACCTGCTGTGCTACCGGGCGTGTCCGTGACCTTCCCGG  
ACACCGACACTGTCTGGCGGAACCTGTTCTACGTGTAACGAGCTCGCCCGGGACCTGGGACCGCACGG  
CACCGAGAACCGCCCGTCAACCGGGGTATGGGGTACGTGCGCCCTCGGACCGAGCGGCTGAGCCCC  
AGCGAGAGCACAGTGTGAGCGCAACGGCCACGCCCTGAGCTCCACAGCCCTGCCACCGAGCGCCG  
GGCACAAGCTCTCCCTGCCCGGGACCCCGCGCGGACCGGGTCCGGCGGTACGTGTGCATCATCTCCCG  
GCTGATGTACGCCCGGTACGGCGAGCGGTGGCGGAAGCACCGGCAGCGGAGATCCGAAACCGGCGAGGAG  
GAGGAGGAGGAACTCTGGAGAGCGGCGAGACAGATGCAACCCCCCTTTGACTTACCGGCCAACAGC  
TGAGACGGGCTACCAGGAGCACAGACGGCGGAAGCACCTGGCAGTGAACGGTACGCCCTTCCCGGCG  
GAAACTGATCGGGGGATGGAGTTTGGCAGGTACCGGGGTGAGCCTGGACCGGATCGCTGTAATGCC  
TTCAACACCAACCGGGTCAACATGAAGGCAGCCCTGTCCAGCATCGCTGCCAGCGGCCCTGGGGTGC  
GGGCTCCCGGCTCCCAAGAACATGACCCACAGCTTCGTGATGTATAAGCACACTTTAAGGAGCCCGC  
CTGCACCGTCTCCACCTTCGTCTCAACGACCGCTTACATCAATAGCCTCAACGTGAACATCCGGGGC  
TCTACCCCGAGTTTCTGTACAGCCTGGGCGTGTACCGGCTGCACGTGAACATCGACATTTCTTCTG  
CCGCCGTGGTGTAAACAGCAATTCAGCCTGGACGTGCACGGCCTCGAGGACCAAGCCGTATCCGGAG  
CGAGCGGAGCAAGGTCTACTGGACCACCAACTCCCTTGCATGATCTCCACACCAACAATGTGAACGTG  
GGCTGGTTCAAGGCCGCCACCGCCATCGTCCCCGGGTGTCCGGCGCGATCTGGAGGCAATCCTGCTCA  
AAGAGCTCAGCTGCATCAAGAACATGCGGGACGTCTGCATCGACTACGGCCTGCACCGGGTCTTTACCCA  
ACTCGAGCTGCGGAATTCCTATCAGATCCCTTTCTGGCCAAGCAGCTCGTGTCTTCTGAGAGCCTGT  
CTGCTGAAGCTGCACGGCGGGAAAAGCGGCTCCAGCTCGACCGGCTCGTGTTCGAGGCCCGCCAGCGGG  
GGCTGTTGACTACTCCAAGAACCTGACCGCCACACAAAATCAAACACACCTGCGCTCTCATCGGCTC  
CCGGTGGCCAACAATGTCCCAAGATCCTGGCACGGAACAAGAAGGTCAAGCTCGACCATCTCGGGCGG  
AACGCCAACGTGCTGACTGTGTGCCGCAGTGGAGGCCACAAGATCCCCCGGACCGGCTGAAGGTCC  
TGGTGAAGTCTCGGGGTGCTGCAGAGCATCAGCGGCACACCCACACTCGGGAGGTGATCCACCAAC  
CCTTTCGGCTGTGCAGCGAGCTGCCGCCACCGGACTGTGTAGCAGCCCCCCCCCTCTGCGTG  
AGCAGCAGCAGCAGCGTCCCTCCGTGCCACTAGCGTACGCTGGATGGGAGCAGCGAGCAACTCC  
CTCGGGTGGGTTGCCTCCCG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101267 representing YP\_081535  
 Red=Cloning sites Green=Tags

MAGAAPRRLGCDALIVVGGSSAMPRRVLHVPVHVHRACNL TQELSTGEDARFCRPRPVNVERVRAVFAALYR  
 ACP1HVRTEPERVKLVLRLLLPVAVPCFC DGEVEGHGEHLVPTTQFCRGPLLVYHRRCCGSVTAGRA  
 LSYHVLNHHVATHVLRGLLSL TEWNRELPSLFCDCPGGGGASGTEERYAMA CLPRDLSHLDDYPYLMVE  
 IGRVLSVSEVDDYVTAVSGYLGEAAAPRIQVHYKLLFGLNVRPQAPCALDATRDFLLELQKLWLGVEYH  
 HEVTSEFFGRVLAQLHRDRARVMMALRLPEQTVCHLSTFVLSRFKRQVLYFKLQVSYGKCRGTGHADRSGG  
 GGNGGNQGHNNLLCYRRLSVTFADTDTVWRNLFYVYELARDLGSHTENRPVNRG YGVSCAPRTSRLSP  
 SESTVVSANGHALSSTALPTTSAGHKLSLPRDPAADRVRVYVCIISRLMYARYGERWRKHRQRSETGEE  
 EEEETLESGETDATPPDFDTGQQLRRAYQEHRRKHLAVQRYAPCRRKLI GGMEFAEVTGVSLDRIAVNA  
 FNTNRVINMKAALSSIAASGLGVRAPRLPKNMTHSFV MYKHTFKEPACTVSTFVSNDAVYINSLNVNIRG  
 SYPEFLYSLGVYRLHVNIDHFFLPAVVCNSNSSLDVHGLEDQAVIRSERSKYVWTTNFPCMISHTNNVNV  
 GWFKAATAIVPRVSGADLEAILLKE LSCIKNMRDVCIDYGLHRVFTQLELRNSYQIPFLAKQLVFLRAC  
 LLKLGREKRLQLDRLVFEAAQRGLFDYSKNLTAHTKIKHTCALIGSRLANNVPKILARNKKVKLDHLGR  
 NANVLTVCRHVEAHKIPRTRLKVLVEVLGVLQSIGTPHTREVIHQTLFRLCSAAAATSGLCSSPPPLCV  
 SSSSSVPSVPTSVSVDGSSEPTSPRVFASR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC\_006273

ORF Size: 2823 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_006273.2</a> , <a href="#">YP_081535</a>
<b>RefSeq ORF:</b>	2823 bp
<b>Locus ID:</b>	3077465
<b>MW:</b>	104.9 kDa