

Product datasheet for **VC100892**

UL27 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL27 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL27
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 VC100892 represents NCBI reference of NP_044497 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCGGGGAGGGGACTCATCTGCGGTTGGTCGTTGGGGCCTTGGTGGCCGCTGTTGCCTCAGCCGCC
CAGCAGCTCCAGCAGCACCCAGAGCTTCTGGAGGAGTCGCTGCCACTGTCGCTGCCAATGGAGGACCCGC
TTCAAGACCACCTCCTGTGCCATCACCAGCAACCACAAAGGCCAGAAAGAGGAAGACGAAAAAGCCGCCA
AAACGCCCCGAGGCCACTCCCCACCTGACGCAACGCAACTGTGGCTGCAGGGCAGCAACCCTGCGCG
CCCACCTGAGGGAAATCAAGGTAGAGAATGCTGACGCCAGTTCTACGTTTGCCACCCCTACTGGAGC
CACAGTCGTTCAAGGTAGAGAATGCTGACGCCAGTTCTACGTTTGCCACCCCTACTGGAGC
ATCGCCGTAGTCTTCAAAGAGAACATTGCCCGTATAAGTTCAAGGCAACAATGTATTCAAAGACGTGA
CAGTGTCTCAAGTCTGGTTTGGCCACCGGTACTCCAGTTTATGGGCATATTCGAAGATCGAGCCCTGT
ACTTTTCGAAGAGGTGATCGACAAAATCAACACCAAAGGCGTGTGACAGATCCACTGCGAAGTACGTGAGA
AAACAATATGGAACCACAGCCTTCCATCGCGATGACCACGAAACAGACATGGAATGAAACCAGCAAAAAG
TGGCAACGAGGACCAGCCGAGGGTGGCATAACAACGATTTGAAATATAACCCAGCAGAGTCGAAGCTTT
TCATAGATACGGGACTACTGTCAATTGTATTGTCGAGGAAGTGGATGCCGAAGTGTCTATCCTTACGAT
GAGTTTGTGCTTGAACCTGGAGATTTTGTATATGTCCCATTTTACGGGTATCGCGAAGGATCCACACA
CCGAACATACTAGCTACGCCGCTGACCGGTTTAAACAAGTGGACGGATTCTATGTCGGGACCTGACTAC
GAAAGCTCGCGTACCAGCCCTACCACAAGAAATTTGCTTACCACGCCAAGTTCACTGTTGCTTGGGAT
TGGTTCCCAAACGACCTGCAGTGTGCACAATGACCAAGTGGCAGGAGTGCAGAGATGCTGCGCGCGG
AGTACGGGGATCTTCCGGTTCTTTCAGACGCAATTTCCACGACGTTTACCCTAACCTGACAGAGTA
CTCACTGAGCAGGTTGGATCTTGGCAGTGTATTGGGAGAGATGCGCGCAGGCTATTGACCGCATGTTT
GCCCGCAAATATAACGCCACCCACATAAAGGTTGGGCAGCCACAATATTACTTGGCCACAGGCGGGTTTC
TGATTGCTTACCAACCTCTGCTGTCCAACACCCTGGCAGAGTGTACGTAAGGGAGTACATGAGGGAACA
GGACCGGAAACCACGCAACGCTACCCAGCTCCACTCCGCGAGGCACCCTCTGCCAATGCATCTGTAGAA
CGCATAAAACAACCAGCTCCATTGAATTCGCGCGGCTTCACTTACCTACAATCACATCCAAAGACACG
TGAACGACATGCTTGGCAGGATCGCGGTCGCTGGTGGCAGCTGCAGAACCACGAGCTGACTCTCTGGAA
TGAAGCGAGGAACTCAACCCGAACGCCATAGCCTCCGCGACTGTGGAAAGGCGAGTGTACGCCAGGATG
CTGGGCGACGTGATGGCGTGTCTACTTGCCTCCCTGTGGCCCTGACAACGTTATCGTACAAAATAGCA
TGAGGGTGTCTAGCAGACCAGGCACTTGTACTCTCGACCCCTCGTGAGCTTCAAGTATGAGGATCAGGG
GCCATTGATAGAGGGGCAACTCGGCGAGAAACAACGAGCTGAGACTGACGAGAGATGCTCTGGAGCCCTGC
ACAGTCGGGCACCGCAGATATTTTATTTTGGCGGGGGTATGTCTACTTCGAGGAATACGCTTATAGCC
ACCAGCTTAGCCGCGCAGACGTCACCACCGTGTACTACCTTATCGATCTGAATATAACTATGCTGGAGGA
TCACGAATTCGTGCCTCTGGAAGTGTATACCAGACATGAGATCAAAGACAGCGGGCTCCTTGACTATACC
GAAGTGCAGAGACGGAACCAGCTCCACGACCTGCGGTTTGCAGATATAGATACCGTATCCGCGCTGATG
CTAATGCGGCTATGTTTGCAGGACTGTGCGCTTTTTTTGAAGGGATGGGTGACCTTGGCCGCGAGTTGG
CAAGGTCGTGATGGGGTGTGCGCGGGTGTCTCAGCTGTAAGTGGAGTCAAGTCTTTTATGAGCAAC
CCATTTGGCGCTCTCGCGTAGGTCTGCTTGTGCTCGCTGGCCTGGTTCGACGCTTTTTTGCCTTTCGCT
ATGTCCTGCAGTTCAGCGAAATCCTATGAAGGCACTTTACCCCTGACCACAAAGGAATTGAAGACCTC
TGACCCTGGAGGAGTAGGGGGCAGGGCGAGGAAGGCGCTGAGGGCGCGGGTTTGTAGAGGCTAAGCTG
GCCGAAGCAAGAGAGATGATAAGATATGGCACTGGTAAGCGCTATGGAGAGGACAGAACATAAGGCAC
GAAAGAAAGGGACAGCGCTCTTTGAGTTCAAAGTACCAACATGGTCTCGCAAAAGAAATAAGGC
GCGGTATAGCCGCTCCACAACGAGGACAGGCAGGAGATGAAGATGAAGT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATGAAGTTTAA

Protein Sequence: >VC100892 representing NP_044497
 Red=Cloning sites Green=Tags

MRGGGLICALVVGALVAVASAAPAAPAPRASGGVAATVAANGGPASRPPPVSPATTKARKRKTKKPP
 KRPEATPPPDANATVAAGHATLRAHLREIKVENADAQFYVCPPTGATVVQFEQPRRCPTREPGQNYTEG
 IAVVFKENIAPYKFKATMYKDVTSQVWFGHRYSQFMGIFEDRAPVPFEEVIDKINTKGVCRSTAKYVR
 NNMETTAFHRDDHETDMLKPAKVATRTRSRGWHITDLKYNPSRVEAFHRYGTTVNCIVEVDARSVYPYD
 EFVLATGDFVYMSPFYGYREGSHEHTSYAADRFKQVDGFYARDLTTKARATSPTRNLLTPKFVAVD
 WVPKRPVCTMTKWQEVDEMLRAEYGGSRFSSDAISTFTTNLTEYSLSRVDLGDICGRDAREAIDRMF
 ARKYNATHIKVGGPQYYLATGGFLIAYQPLLNTLAELVREYMREQDRKPRNATPAPLREAPSANASVE
 RIKTTSSIEFARLQFTYNHIQRHVNDMLGRIAVAWCELQNHLETLWNEARKLNPNAIASATVGRVSARM
 LGDVMAVSTCVPVADNVIVQNSMRVSSRPGTCYSRPLVSFRYEDQGPLIEGQLGENNELRLTRDALEPC
 TVGHRRYFIFGGGYVYFEEYAYSHQLSRADVTTVSTFIDLNITMLEDHEFVPLEVYTRHEIKDGLLDYT
 EVQRRNQLHDLRFADIDTVIRADANAAMFAGLCAFFEGMGDLGRAVGKVMGVGGVVSAYSGVSSFMSN
 PFGALAVGLLVLAGLVAFFAFRYVLQLQRNPMKALYPLTTKELKTSDPGGVGGEGEEGAEGGGFDEAKL
 AEAREMIRYMALVSAMERTEHKARKKGTALLSSKVNTMVLKRNKARYSPLHNEDEAGDEDEL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NC_001798

ORF Size:	2712 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:	<ol style="list-style-type: none">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:	<u>NC_001798.1</u> , <u>NP_044497</u>
RefSeq ORF:	2712 bp
Locus ID:	1487312
MW:	100.2 kDa