

Product datasheet for **VC100806**

UL19 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL19 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100806 represents NCBI reference of NP_044620 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTCAAACAGAGATCCGCCTGGTTACCGGTACGCAGCCGCTATGGTGCCAACCGGCTCCCTCC
TGTCTACCATTGAAGTGGCAAGCCATAGAAGACTTTTTGACTTCTCTCACGGGTGAGGAGCGACGCTAA
TTCTCTGTACGATGTCGAGTTCGACGCCCTCTGGGCTCATATTGTAACACCCTGTCACTGGTGAATTC
CTCGAGCTGGGCTTGAGCGTTGCGTGTGTCTGTACAAAGTCCCAGAGCTGCCTATATGAACGAGGGGA
GAGTTTCAGTTTCAAGTGCACCAGCCGCTTATCGCCCGGGATGGCCCCACCCCATCGAGCAGCCACGCA
TAACTACATGACGAAAATTATCGACAGGAGAGCCTTGAATGCTGCTTTTTCTCTGGCCACCAGGGCCATC
GCCCTGCTGACAGGCGAAGCGCTGGATGGAATGGAATCGGAGCACATCGGCAACTCCGAGCAATTCAGC
AACTTGCCCGAATGTACAGGCAGTGTGGGGCCTTCGAGAGAGGGACGGCTGACCAGATGCTGCATGT
ACTGCTCGAAAAAGCTCCTCCACTCGCCCTGCTGCTCCCCATGCAACGGTACTTGGATAACGGAAGGCTT
GCTACACGAGTAGCCAGAGCAACGCTGGTGGCAGAGCTGAAACGCAGCTTTTGTGAAACCTCCTTCTCC
TGGGAAAAGCCGACATCGGAGGGAGGCAGTGGAAAGCCTGGCTGGTGGACCTTACTACCGCTACTCAGCC
CAGCGTCCGGTCCCCAGACTGACTCACGCCGACACACGGGGCCAGTCGACGGCGTGTGTGACT
ACGGCCCCATCAAGCAGCGCCTGCTGCAATCCTTTCTGAAAGTGGAGGATACCGAAGCCGATGTTCCCG
TTACCTACGGTGAGATGGTACTCAACGGAGCAACCTCGTGACCGCCCTGGTTATGGGAAAAGCGGTTAG
GAGCCTCGATGATGTCGGGCGCCATCTCCTCGAAATGCAGGAGGAACAGTTGGACTTGAACAGACAAACG
CTGGATGAGCTCGAATCAGCCCCGAGACTACCAGGGTTAGGGCAGATCTCGTGTCCATAGGAGAAAAGC
TGGTATTTCTGGAGGCGCTGAAAAGAGAAATTTACGCCGCACTAACGTTCCATATCCTCTGGTGGGCGC
CATGGACCTCACGTTTGTGCTGCCCTGGGCTTCAATCCTGTGATGGAGAGATTTGCCGCTCATGCC
GGGACCTGGTGCCTGCCCGGCCACCCTGATCCTCGCGCTTCCCTCCTCGCCAGCTCTTCTTTTGGG
GCAAAGACAGGCAGGTATTGCGACTGTCTTGGAAACAGCTATCGGTACTGTGTGCCATCCTTCCCTGAT
GAACGTCGACGCAGCGGTGGGCGCCTGAACCGCGATCCAGTTGAGGCTGCCAACCCATATGGTGCATAC
GTGGCTGCTCCCCTGGCCAGCGGCAGACATGCAGCAGCTTTTTCTCAACGCTGGGGCAACGGCTCG



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CCCACGGACGGGTACGGTGGGTCGCCGAAGGCCAGATGACCCCTGAACAGTTTATGCAGCCAGATAATGC
 CAATCTTGCCTGGAAGTGCATCCCGCCTTCGATTTCTTCGTGGGGGTGGCCGACGTCGAGCTGCCGGT
 GGAGATGTACCTCCAGCAGGGCCTGGAGAGATCCAGGCTACTTGGCGGGTTCGTGAACGGTAACCTGCCCC
 TTGCACTCTGCCCTGCAGCATTCCGCGACGCCAGGGGGCTGGAAGTGGGAGTGGGTCGACACGCCATGGC
 GCCCGCTACCATCGCTGCCGTGAGGGGTGCCTTCGATGACAGGAATTACCCGGCCGTGTTCTATCTCTTG
 CAGGCCGCGATTACGGCTCTGAGCATGTGTTTTGTGCATTGGCCAGGCTGGTGGTGCAGTGTATTACCA
 GCTATTGGAATAATACCCGCTGTGCCGCTTTTGTGAATGACTACAGCTTGGTTAGCTATGTCGTTACTTA
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 CGGGCCTGCGATGCTGACACTTCAGGTTCTGGCTCACAACATGGCAGAACGCACCACCGCACTCCTGTGT
 AGCGCGGCGCCGGACGCTGGAGCAAATACTGCCTCCACCACCAATATGCGGATATTTGACGGGGCACTGC
 ACGCCGGCATACTGTTGATGGCCCCCAGCACCTGGATCACACAAATCCAGAAATGGCGACTATTTTATCC
 CCTGCCAGTGCATGCTTTGTTTGGCGGGCGGGACCATGTGGTAAACGCTCCTAATTTCCCCCAGCACTG
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 AGCCCCGGTCCAACACGTCAAGGAATCCGCGCCGGGAGAACGCGCTGACATATGCACTGATGGCAGG
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 TATCACCTGAACGGAGCATCTCCTGTGCTCTACCATGTTTTAAGTTCTTACGTCGCTGACATTGCCG
 CTAACATCGATGCTGGAGAGACTGATCGTGGAGACAGGCTCAGCTGTGAGCACGGCCACAGCCGCTAG
 TGACGTACAATTTAAAGGCCACCTGGATGTGGGAGTTGGTGAAGACCCCTGTGGCCTTTTCCAGGAA
 GCCTATCCACTCACTTGGCGTCTGATCCTGCTTTGCTGCGCTCTGCTCGAAATGGCGAGGCCATGCAC
 GGGAGACACACTTTGCACAGTATCTGGTGTATGATGCCAGTCTCTGAAAGGACTGGCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100806 representing NP_044620
 Red=Cloning sites Green=Tags

MAAPNRDPPGYRYAAAMVPTGSLSTIEVASHRRLDFFSRVRSANSLYDVEFDALLGSYCNTLSLVRF
 LELGLSVACVCTKFPPELAYMNEGRVQFEVHQPLIARDGPHPIEQPTHNYMTKIIDRRALNAAFSLATEAI
 ALLTGEALDGTGIGAHRQLRAIQQLARNVQAVLGAFERGTADQMLHVLLEKAPPLALLPMQRYLDNGRL
 ATRVARATLVAELKRSFCETSFFLGKAGHRREAVEAWLVDLTTATQPSVAVPRLTHADTRGRPVDGVLVT
 TAPIKQRLLSFLLKVEDTEADVPVTYGEMVLNGANLVTALVMGKAVRSLDDVGRHLLMQEEQLDLNRQT
 LDELESAPQTTVRADLVSI GEKLVFLEALEKRIYAATNPYPLVGAMDLTFVPLPLGLFNPVMERFAAHA
 GDLVPAHGHPDPRAFPQRQLFFWGKDRQVLRSLSEHAIGTVCHPSLMNVDAAVGGLNRDPVEAANPYGAY
 VAAPAGPAADMQQQLFLNAWQRLAHGRVWVAEGQMTPEQFMQPDNANLALHLPADFDFVGVADVELPG
 GDVPPAGPGEIQATWRVNVGNLPLALCPAAFRDARGLELVGRHAMAPATIAAVRGAFDDRNPVAVFYLL
 QAAIHGSEHVFCALARLVVQCITSYWNTRCAAFVNDYSLVSYVVTYLGGDLPEECMAVYRDLVAHVEAL
 AQLVDDFTLTGPELGGQAQELNHLMRDPALLPPLVWDCDALMRRALDRHRDCRVSAGGHDPVYAAACN
 VATADFNRNDGQLLHNTQARAADAADDRPHRGADWTVHKKIYYYVMVPAF SRGRCCTAGVRFDRVYATLQ
 NMVVPEIAPGEECPDPVTDPAHPLHPANLVANTVNAFMHNGRVVVDGPAMLTLQVLAHNMAERTTALLC
 SAAPDAGANTASTTMRIFDGALHAGILLMAPQHL DHTIQNGDYFYPLPVHALFAGADHVNANPNFPAL
 RDL SRQVPLVPPALGANYFSSIRQPVVQHVRESAAGENALTYALMAGYFKISPVALHHQLKTGLHPGFGF
 TVVRQDRFVTENLVF SERASEAYFLGQLQVARHETGGGVNFTLTQPRANVDLGVGYTAVVATATVRNPVT
 DMGNLPQNFYLRGAPPLLDNAAAVYLRNAVAVAGNRLGPAQVPVVFCAQVPRRAGMDHGDQAVCEFIAT
 PVSTDVNYFRPCNPRGRAAGGVYAGDKEGDVTALMYDHGQSDPSRAFAATANPWASQRF SYGDLLYNGA
 YHLNGASPVLSPCFKFTSADIAAKHRCLERLIVETGSAVSTATAASDVQFKRPPGCRELVEDPCGLFQE
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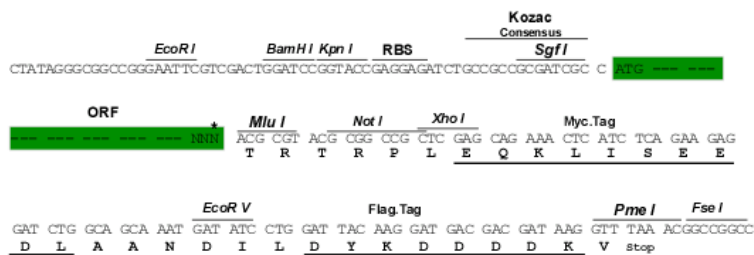
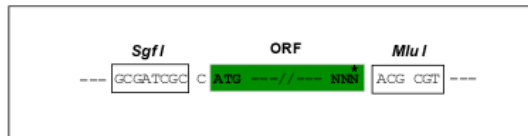
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001806

ORF Size: 4122 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:	NC_001806.1 , NP_044620
RefSeq ORF:	4122 bp
Locus ID:	2703368
UniProt ID:	P04413
MW:	149.1 kDa