

Product datasheet for **VC100883**

UL19 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL19 (NC_001798) 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 VC100883 represents NCBI reference of NP_044488 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCTCCTGCAAGAGACCCGCCGGCTATCGGTACGCAGCGGCTATCCTGCCACCGGCTCCATTC
TGCAACTATTGAGGTCGCTTCCCATCGCCGACTTTTCGACTTCTTTGCTGCAGTGAGGAGCGACGAAAA
CTCTCTTTATGATGTCGAATTTGATGCCTGCTGGGTTCCCTACTGCAACTCTGTCCCTGGTGCCTTT
TTGGAGTGGCCCTTCCGTTGCTGTGTCTGTACTAAATTTCTGAACGGCATATATGAACGAGGGCA
GGGTGCAATTTGAAGTCCATCAGCCACTTATAGCCCGCGACGGGCGCACCCAGTTGAACAACCCGTTCA
TAACTACATGACCAAGGTCATAGACCGAAGAGCTCTTAATGCCGCCTTTTCTCTGGCAACAGAGGGGATA
GCCCTCTGACAGGTGAAGCTCTCGACGGTACTGGAATCTCTCTGCACCGGCAGCTGAGGGCCATCCAAC
AGCTGGCCAGAAACGTCCAGGCAGTTCTCGGGCATTGAGAGAGGAACGGCCGATCAAATGCTTCATGT
CCTTCTTGAGAAGGCTCCCCCGTGGCTCTGCTCCTGCCATGCAACGCTACCTGGATAATGGAAGGCTT
GCCACACGGGTCGCACCGCAACCCTGGTCGCCGAGCTGAAACGGTCCTTTTGGACACATCCTTCTTCC
TGGCAAAGCAGGGCACAGACGGGAAGCTATTGAGGCGTGGCTCGTCGACCTGACTACCGCTACCCAGCC
AAGCGTAGCAGTCCCTCGCTCACACATGCAGATACCAGGGGCCCGCCAGTGGACGGGGTCTCGTGACT
ACCGCAGCAATTAAGCAGCGGCTCCTCCAGAGCTTTCTGAAAGTCGAGGATACCGAAGCGGACGTGCCAG
TGACTTATGGCGAGATGGTACTCAATGGAGCAAACCTGTTACAGCCCTCGTGATGGGGAAGGCAGTTAG
GAGTCTGGACGATGTGGGCAGGCACTTGCTCGACATGCAGGAAGAACAGCTGGAAGCCAACAGAGAAACC
CTTGATGAGTTGGAATCTGCCCCCAAACGACTAGGGTGAGAGCTGACCTCGTGGCTATCGGAGATCGCC
TGGTGTTCCTGGAGGCACTGGAGCGAAGGATTTATGCTGCCACAAATGTCCCCTATCCTCTGGTGGGAGC
CATGGATCTTACCTTCGTGCTGCCTCTCGGCCTGTTCAACCCAGCAATGGAAAGGTTCCGACGCTCACGCT
GGAGACCTGGTGCCGGCACCCGGCCATCCTGAACCCAGAGCGTTCCACCCCGGCAGCTCTTTTTTG
GCAAGGACCATCAAGTGCTGCGGTTGTCCATGGAAAAATGCCGTGGGGACCGTGTGCCATCCGCTCTTTAT
GAACATTGACCGGCTGTGGAGGTGTTAACCATGACCCAGTGGAGGCGCCCAACCCGTATGGAGCATAT
GTAGCAGCCCCCGCGGGCTGGGGCCGACATGCAGCAGCGTTCCTCAATGCATGGAGGCAGAGGCTGG



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CCCATGGACGAGTGAGATGGGTAGCCGAATGCCAAATGACAGCTGAACAGTTCATGCAGCCAGATAACGC
CAATCTCGCTCTGGAAGTGCATCCCCTTTTCGACTTCTTCGCGGTGTCGCGGACGTAGAGCTCCCTGGC
GGTGAAGTGCCTCCTGCAGGACCCGGGGCCATACAGGCCACTTGGCGGGTTCGTGAACGAAACCTGCCTC
TCGCCCTTTGTCCCGTAGCCTTCCGGGACGCTCGGGGTCTGGAAGTGGCGTAGGTAGGCACGCCATGGC
CCCAGCCACTATCGCAGCGGTTCCGGGGCATTGAGGATCGTCCATCCCCTGTCTTTTACTTGCTG
CAAGTGTATCCACGGAAACGAACACGTATTCTGCGCGTTCGAAGGCTGGTACTCAATGTATCACAA
GTTATTGGAACAATACCCGCTGTGCAGCTTTCGTGAACGATTACTCCTTGGTCTCATACATCGTAACGTA
CCTGGGTGGAGATTTGCCCGAAGAGTGCATGGCTGTCTACCGCGATCTGGTTCGCCACGTGGAAGCCCTG
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CACTGCACCCAGCCAATCTCGTGCCTAACACCGTGAAGGATGTTTACAAATGGTAGGGTAGTGGTTGA
CGGCCAGCCATGTTGACCCTGCAGGTGCTCGCCATAACATGGCTGAAAGAACGACCGCCCTGCTTTGC
TCCGCTGCCCCAGATGCAGGCGCAAACACCGCCAGCACTGCCAATATGAGGATCTTCGATGGCGCGTTGC
ACGCGGGGGTGTCTGTATGGCACCACAGCATTGGACCATAACCTCAGAACCGGGGAATACTTCTACGT
GTTGCCGTTGCACGCTCTTTCGCTGGGGCAGACCATGTGGCCAACGCACCCAATTTCCACCCAGCCCTG
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AGCCGGTTCGTCACACGCACGGGAGAGTGCAGCCGAGAAAACGCATTGACTTACGCCCTCATGGCCGG
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ACAGTTGTGAGGCAAGACCGGTTTCGTAACCGAGAACGTGCTTTTACGCGAGCGGGCTAGTGAAGCCTACT
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GGGGAATGTGGATCTGGGAGTGGGTACACCGCGTGGCCGCTACTGGGACTGTTTCGGAACCCTGTTACC
GACATGGGCAACCTGCCTCAGAATTCTACCTGGCCGGGGTGCACCACCCTGCTGGACAACGCAGCCG
CGGTATACCTGAGAAATGCAGTCGTAGCTGGCAACAGACTCGGACCAGCTCAGCCGTTGCCTGTGTTGG
ATGTGCTCAGGTGCCAAGGAGGGCAGGCATGGACCATGGTCAGGATGCAGTTTGTGAATTCATTGCCACT
CCAGTTGCCACGGATATCAACTATTTTCGAGGCCCTGCAATCCCCGGGGCCGAGCTGCCGGAGGGCTCT
ATGCCGGAGATAAGGAAGGCGACGTAATCGCACTGATGTACGACCACGGACAGAGTGATCCCGCACGCC
ATTCGCAGCAACAGCTAATCCCTGGGCTAGCCAGAGATTTTCTACGGTGACCTGCTGTATAACGGTGCC
TACCACCTGAATGGGGCATCCCCAGTGCTCAGCCCGTGTTTAAGTTCTTACAGCCGCAGACATTACCG
CCAAACATCGCTGTTTGGAACGGCTGATCGTAGAGACAGGCTCAGCGGTCTTACCGCCACAGCTGCCAG
CGACGTTCAATTCAAAAGACCCCGGGTGTGCGAGAACTGGTTGAGGATCCCTGTGGACTCTTTCAGGAG
GCCTATCCATAACGTGCGCCTCCGACCCTGCCCTCCTCCGGTCTGCGAGGGACGGCGAGGCCACGCCA
GGGAAACCCATTTACCCAGTACCTGATATACGACGCTAGCCACTGAAAGGTTTGTCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100883 representing NP_044488
 Red=Cloning sites Green=Tags

MAAPARDPPGYRYAAAILPTGSILSTIEVASHRRLFDFFAAVRSDENSLYDVEFDALLGSYCNTLSLVRF
 LELGLSVACVCTKFPPELAYMNEGRVQFEVHQPLIARDGPHVPEQPVHNYMTKVIDRRALNAAFSLATEAI
 ALLTGEALDGTGISLHRQLRAIQQLARNVQAVLGAFERGTADQMLHVLLEKAPPLALLPMQRYLDNGRL
 ATRVARATLVAELKRSFCDTSFFLKGAGHRREAIEAWLVDLTTATQPSVAVPRLTHADTRGRPVDGVLVT
 TAAIKQRLLQSFLKVEDTEADVPTYGEMVLANGANLVTALVMGKAVRSLDDVGRHLLDMQEEQLEANRET
 LDELESAPQTTVRADLVAIGDRLVFLEALERRIYAATNPYPLVGAMDLTFVPLPLGLFNPAMERFAAHA
 GDLVPAHGHEPRAFPQRQLFFWKGDKVLRLSMENAAGTVCHPSLMNIDAAGGVNNDPVEAANPYGAY
 VAAPAGPGADMQRFLNAWRQLAHGRVWVAECQMTAEQFMQPDNANLALHLPADFDFAGVADVELPG
 GEVPPAGPGAIQATWRVNVGNLPLALCPVAFRDARGLELVGRHAMAPATIAAVRGAFEDRSYPVAFYLL
 QAAIHGNEHVFCALARLVTQCITSYWNTRCAAFVNDYSLVSYIVTYLGGDLPEECMAVYRDLVAHVEAL
 AQLVDDFTLPGPELGGQAQELNHLMRDPALLPPLVWDCDGLMRHAALDRHRDCRIDAGGHEPVYAAACN
 VATADFNRNDGRLLHNTQARAADAADDRPHRPADWTVHKKIYYYVLPVAFSRGRCCTAGVRFDRVYATLQ
 NMVVPEIAPGEECPDPVTDPAHPLHPANLVANTVKRMFHNGRVVVDGPAMLTLQVLAHNMAERTTALLC
 SAAPDAGANTASTANMRIFDGALHAGVLLMAPQHLDHTIQNGEYFYVLPVHALFAGADHVNANPNFPAL
 RDLARDVPLVPPALGANYFSSIRQPVVQHARESAAGENALTYALMAGYFKMSPVALYHQLKTGLHPGFGF
 TVVRQDRFVTENLVF SERASEAYFLGQLQVARHETGGGVNFTLTQPRGNVDLGVGYTAVAATGTVRNPVT
 DMGNLPQNFYLGRGAPLLDNAAAVYLRNAVAVAGNRLGPAQPLPVFGCAQVPRRAGMDHGQDAVCEFIAT
 PVATDINYFRPCNPRGAAAGGVYAGDKEGDVIALMYDHGQSDPARPFAATANPWASQRF SYGDLLYNGA
 YHLNGASPVLSPCFKFFTAADITAKHRCLERLIVETGSAVSTATAASDVQFKRPPGCRELVEDPCGLFQE
 AYPITCASDPALLRSARDGEAHARETHFTQYLIYDASPLKGLSL

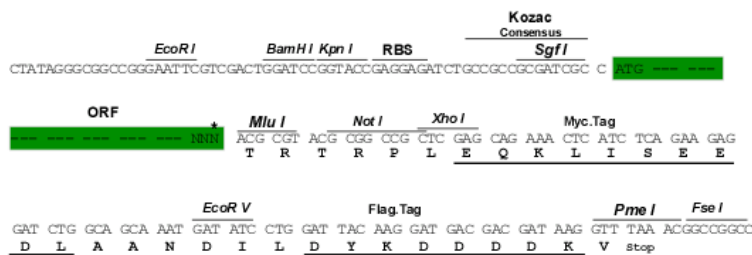
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001798

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_001798.1 , NP_044488
RefSeq ORF:	4122 bp
Locus ID:	1487302
MW:	149.2 kDa