

Product datasheet for **VC100805**

UL18 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL18 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100805 represents NCBI reference of NP_044619 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCCGATGGGTTCGAAACCGACATTGCCATCCCTAGCGGGATTTCCAGGCCCGATGCTGCAGCTC
TGCAGAGGTGTGAGGGCAGGGTGGTCTTTCTGCCAACGATCCGGCGACAGCTCACTCTGGCCGACGTCCG
ACACGAATCCTTTGTATCAGGCGGGTATCTCCGATACTCTGGGGCTGCTGCTTGCTACCGCCGCCGG
TTCCAGCGGTGATCACCAGGGTGTGCCGACTCGGATTGTGGCCTGTCCCTCGATGTGGGCCTCACCC
ATGCCGGAACAGTGAACCTCAGAAATACTAGCCAGTTGATTTGTGCAACGGAGATCCTATTTCTCTCGT
GCCTCCTGTGTTTCGAGGGACAGGCAACAGACGTGCGGCTCGACAGCCTCGATCTGACCCTGAGGTTCCCA
GTTCCACTGCCTTCCCCACTCGCCAGGGAGATAGTCGCACGCCTGGTGGCCAGAGGGATCCGCGATCTGA
ACCCCTCACACGAAACCCCGGGGACTTCCAGATCTGAATGTGCTGTACTATAATGGAAGCAGGCTGTC
ACTGCTCGCGGATGTGCAGCAGCTTGGCCCCGTGAACGCCGAGCTGAGAAGTCTCGTGTCAACATGGTC
TATTCAATTACCGAAGGCAGCACCATAATTTGACTCTCATCCCAGACTTTTTGCTGTCCGCTCAGG
ACGGGTATGTGAACGCGCTCCTGCAGATGCAGAGCGTAACCAGAGAGGCAGCCAGCTGATTCACCCAGA
GGCTCCAGCCCTTATGCAGGATGGCGAAAGGAGACTTCTTTGTACGAAGCGTTGGTGGCTTGGCTGACA
CATGCAGGCCAGCTTGGAGATACTCTGGCCTGGCACCAGTTGTGAGGGTTTGCACGTTTCGACGGCGCTG
CAGTGTTTCGGTCTGGGGACATGGCTCCAGTGATCCGGTATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100805 representing NP_044619
Red=Cloning sites Green=Tags

MLADGFETDIAIPSGISRPDAAALQRCEGRVFLPTIRRQLTLADVAHESFVSGGVSPDTLGLLLAYRRR
 FPAVITRVLPTRIACPLDVGLTHAGTVNLRNTSPVLCNGDPISLVPPVFEGQATDVRLDSLTLRFP
 VPLPSPLAREIVARLVARGIRDLNPSRNPGGLPDLNVLYYNGSRLSLLADVQQLGPVNAELRSLVLMV
 YSITTEGTTIILTLIPRLFALSAQDGYVNALLQMOSVTREAAQLIHPEAPALMQDGERRLLPYEALVAWLT
 HAGQLGDTLALAPVVRVCTFDGAAVVRSGDMPVIRYP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001806

ORF Size: 954 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:**
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_044619](#)
RefSeq ORF: 954 bp
Locus ID: 2703366
UniProt ID: [P04413](#)

MW: 34.3 kDa