

## Product datasheet for **VC100882**

### UL18 (NC\_001798) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL18 (NC_001798) 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 VC100882 represents NCBI reference of NP_044487 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCACCGACTGTTTTGAGGCCGACATTGCCATTCCTCAGGTATCAGCAGGCCAGATGCCGCCGAT  
TGCAAAGATGTGAAGGGCGGGTGGTGTTCCTTCTACGATACGCAGACAGCTGGCCCTGGCTGACGTAGC  
ACATGAAAGTTTTGTCTCAGGAGGCGTGAGCCCCGATACACTCGGACTTCTCTCGCTTACCGGCAGCG  
TTCCCAGCCGTGATAACCCCGTGTCTCCCGACCAGAATCGTGGCCTGTCCTGTTGATCTGGGATTGACCC  
ACGCCGGAACAGTGAACCTTCGCAATACCAGTCCAGTTGATCTGTGCAATGGTGACCCTGTAAGTCTGGT  
GCCACCTGTCTTTGAAGGGCAGGCCACAGATGTACGACTGGAATCACTTGACCTGACACTGCGCTTCCCT  
GTACCATTGCCTACTCCACTGGCCCCGAGAGATCGTCGCCCGCCTTGTGGCTAGAGGGATCCGGGACCTGA  
ACCCCGATCCCCGCACGCCGGGTGAGCTCCCCGATCTTAATGTCTCTACTACAATGGTGCGCGGCTTAG  
CTTGGTCGCTGACGTCCAGCAGCTGGCCTCAGTGAACACAGAAGTGGCAGCCTTGTCTGAACATGGT  
TACTCCATTACAGAGGGGACCACTCTATTCTGACTCTTATACCTCGTTGCTGGCCTTGTGAGCTCAAG  
ATGGATACGTCAACGCACTGTTGCAGATGCAGTCAGTCACGCGGGAGGCTGCCAGCTCATCCATCCAGA  
AGCACCCATGTTGATGCAGGATGGAGAGGGCGTTGCCACTTTATGAAGCCCTCGTCGCTTGGCTGGCG  
CAGCCCGACAGCTGGGGACATTCTGGCCTTGGCCCCTGCCGTGAGAGTGTGCACATTTGACGGCGCTG  
CTGTGGTGCAGAGCGGGGACATGGCCCCCTGTGATACGCTACCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100882 representing NP\_044487  
 Red=Cloning sites Green=Tags

MITDCFEADIAIPSGISRPDAAALQRCEGRVFLPTIRRQLALADVAHESFVSGGVSPDTLGLLLAYRRR  
 FPAVITRVLPTTRIVACPVDLGLTHAGTVNLRNTSPVDLCNGDPVSLVPPVFEGQATDVRLESLDLTLRFP  
 VPLPTPLAREIVARLVARGIRDLNPDPRTPGELPDLNVLYYNGARLSLVADVQQLASVNTELRSLVLMV  
 YSITEGTTLILTLIPRLALSAQDGYVNALLQMOSVTREAAQLIHPEAPMLMQDGERRLLPLYEALVAWLA  
 HAGQLGDILALAPAVRVCTFDGAAVVQSGDMAPVIRYP

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\_001798

**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\_001798.1, NP\_044487  
RefSeq ORF: 954 bp  
Locus ID: 1487301  
MW: 34.3 kDa