

## Product datasheet for **VC100905**

### UL40 (NC\_001798) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL40 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100905 represents NCBI reference of NP_044510 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCCGCTGTGAGCCCTGCAAGCACCGACCCTTTGGATACCCACGCCTCAGGAGCCGGTGCCGCC  
CGATCCCAGTGTGCCAACACCAGAGCGATACTTCTATACTTCCCAATGTCCCGACATAAACCATCTCCG  
ATCCCTGTCTATTCTGAACAGATGGCTGAAAACCTGAAGTGGTATTCGTTGGAGATGAGGAGGATGTGAGC  
AAGTTGAGCGAGGGAGAAGTGGTTTCTATAGGTTCTCTTCGCTTTTCTGAGCGCAGCCGACGATCTCG  
TGACTGAGAACTTGGCGGCTTGAGCGGCTTGTTCGAGCAAAAAGGATATTCTCCACTACTACGTAGAGCA  
GGAGTGCATCGAGGTGGTGCATAGCAGAGTGATAACATAATCCAACCTCGTGCTGTTCCACAATAATGAC  
CAGGCTAGAAGGGCTACGTGGCGAGAACAATCAATCATCCCGCTATAAGGGTAAAAGTCGATTGGCTGG  
AAGCTCGGTACGCGAGTGCAGCTCCATCCCTGAGAAGTTCATTCTGATGATACTGATTGAAGGCGTTTT  
TTTCGCCGCGAGCTTCGCCGCCATCGCATATCTCAGAACAATAATCTGCTGAGGGTCACATGTCAATCC  
AATGACTTGATCAGCAGAGATGAAGCAGTTCATACGACCCCTCCTGTTATATATAACAATTATCTCG  
GCGGTACGCAAAACCAGAGGCCGCAAGGGTTACAGACTCTTCAGAGAGGCAGTGGATATAGAGATCGG  
ATTCATCAGATCTCAAGCCCAACTGATTCCAGCATTCTGAGCCAGGCCCTGGCAGCAATTGAGAAC  
TACGTGCGGTTTTTCAGCAGACAGGCTGCTGGGACTGATTATATGACGCTCTCTATAGTCTCCGCTC  
CCGACGCTTTTCTCTCTCACTGATGTCCACAGACAAGCATACTAATTTCTTCGAGTGCAGGTCAAC  
CAGCTACGCAGGAGCCGTCGTGAATGACCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100905 representing NP\_044510  
Red=Cloning sites Green=Tags

MDPAVSPASTDPLDTHASGAGAAPIPVCPTPERYFYTSQCPDINHRLRSLILNRWLETETLVFVGDEEDVS  
 KLSEGELGFYRFLFAFLSAADDLVLENLGGLSGLFEQKDILHYYVEQECIEVVHSRVYNIQLVLFHNND  
 QARRAYVARTINHPAIRVKVDWLEARVRECDSEIPEKFIILMILIEGVFFAASFAAIYLRNLLRVTCQS  
 NDLISRDEAVHTTASCYIYNNYLGGHAKPEARVYRFLFREAVDIEIGFIRSQAPTDSSILSPGALAAIEN  
 YVRF SADRLGLIHMQPLYSAPAPDASFPLSLMSTDKHTNFFECRSTSYAGAVVNDL

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:** 1011 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\_044510  
RefSeq ORF: 1011 bp  
Locus ID: 1487327  
MW: 37.6 kDa