

## Product datasheet for **VC100828**

### UL40 (NC\_001806) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL40 (NC_001806) 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 VC100828 represents NCBI reference of NP_044642 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACAGTGCAGCTCCTGCTCTGTCACCGGCCCTCACGGCGCTCACCGATCAGTCCGCCACTGCCGATC  
TCGCTATCCAGATCCCAAAGTGTCTGATCCGGAGCGATACTTCTATACTAGCCAGTGCCTGATATCAA  
TCACCTGCGCAGTCTGAGCATCCTGAACCGCTGGCTTGAGACAGAGCTCGTCTTTGTGGGGATGAAGAG  
GACGTGAGTAAGCTCTCCGAGGGGAGCTTTCTTTTACAGTTTCTCTTCGCCTTCTTTCAGCCGCAG  
ATGACCTCGTCACAGAAAATCTGGGCGGCCTGAGCGGTCTGTTTGAACAGAAGGACATTCTCCATTATTA  
TGTCGAACAAGAGTGCATAGAGGTGGTCCACAGCCGCGTATATAACATAATCCAGCTCGTACTGTTCCAC  
AATAACGATCAGGCCCGCCGGGAGTATGTGGCCGGAACGATTAACCATCCCGCCATTTCGCGCCAAAGTCG  
ACTGGCTCGAAGCCAGGGTGCAGGAAATGTGCATCTGTCCAGAAAAGTTTATTCTTATGATTCTGATTGA  
GGGTATCTTCTTTGCCGCTCTTTTGCAGCCATCGCCTACCTTAGAACTAACAACTTCTCCGCGTAACA  
TGTCAAAGCAACGATTTGATCAGTAGAGACGAGGCAGTGCATACAACCTGCTAGCTGTTATATTTACAACA  
ACTATCTTGGAGGACACGCCAAGCCTCCCCTGATAGGGTGTACGGCCTCTTTCGCCAGGCAGTGGAAAT  
CGAGATCGGATTTATTTCGAGCCAGGCTCTACGGACTCACACATTCTGTACCAGCCGCTCTGGCTGCG  
ATCGAGAATTACGTGAGTTTAGTGCTGACAGACTGCTGGGCCTGATTATATGAACCCCTGTTTATGTG  
CTCCCCCCCCGATGCTAGCTTTCCCCTGAGTCTGATGAGTACAGATAAGCATACAAATTTCTTCGAGTG  
TCGCAGCACCAGCTACGCAGGGCGGTAGTGAATGATCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100828 representing NP\_044642  
Red=Cloning sites Green=Tags

MDSAAPALSPALTALTDQSATADLAIQIPKCPDPERYFYTSQCPDINHRLSLILNRWLETELVFVGDEE  
 DVSKLSEGELSFYRFLFAFLSAADDLVTENLGGLSGLFEQKDILHYVVEQECIEVVHSRVYNIQLVLFH  
 NNDQARREYVAGTINHPAIRAKVDWLEARVRECAVPEKFILMILIEGIFFAASFAAIAYLRTNNLLRVT  
 CQSNDLISRDEAVHTTASCYIYNNYLGGHAKPPDPDRVYGLFRQAVEIEIGFIRSQAPTDSHILSPAALAA  
 IENYVRFSA DRLLGLIHMKPLFSAPPPDASFPLSLMSTDKHTNFFECRSTSYAGAVVNDL

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:** 1020 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\\_044642](#)  
RefSeq ORF: 1020 bp  
Locus ID: 2703364  
UniProt ID: [P04413](#)  
MW: 38.0 kDa