

## Product datasheet for **VC100839**

### UL50 (NC\_001806) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL50 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100839 represents NCBI reference of NP_044653 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCCAGTGGGGCAGCGGGCTATTTTGGTGAACCAGACTCACTGGGAGAGGGTACGATGGCGACT  
GGCATAACAGCTGTAGCCACAAGGGGGGGCGGAGTCGTTTCACTTGAACCTGGTGAACAGAAGGGCTGTGGC  
CTTCATGCCAAAGGTATCCGGTGATCCGGGTGGGCTGTCGGCCGGGTGTCTCTGGACCTCAGAATGGCA  
ATGCCTGCTGACTTCTGCGCCATCATTACGCCCCCGCACTTGCCTCCCCGGACACCAGTGCCTCTGG  
GTCTGATCGATAGTGTTACCGAGGACCGTTATGGCAGTAGTAGTCGCACCCAAACGCACACGGGAGTT  
CGCCCCGGAACCCTGCGGGTGGACGTCACATTCTCGATATCCTTGCCACACCTCCTGCCTTGACCGAA  
CCAATTAGCCTGAGGCAGTCCACAGCTGGCTCCCCCTCCTCCACCGGGCAGGTATAAGAGAAGATC  
CCTGGCTCGAAGGGGCTCTTGGTGCCCTAGCGTGACAACTGCTCTTCCCGCCGGAGAAGAGGCAGATC  
ACTGGTCTACGCTGGAGAACTTACCCTGTGCAACAGAGCATGGCGACGGTGTTCGCGAAGCGATAGCC  
TTTTTGCCTAAGAGGGAAGAGGACGCAGGGTTTGACATCGTAGTTCGGCGCCAGTAACAGTCCCCGCCA  
ACGGGACTACCGTGGTACAGCCTAGCCTTAGAATGCTCCACGCAGATGCCGGGCCAGCAGCTGCTACGT  
GCTGGGCAGGTACCCCTAACGCGCAGGCTTGTGGTAGTCCCACCCGATGGTTGCCGGTACAGTT  
TGCGCCTTCGTCGTGTACAATCTGACCGCGTGCCTGTCACTCTTGAAGCTGGAGCAAAGGTGGCTCAGC  
TGCTCGTTGCTGGTGGGATGCCCTCCCATGGATCCCCCAGACAATTTTCATGGGACGAAGGCCTTGAG  
GAATTATCCTAGAGGGGTGCCAGACAGTACAGCCGAGCCAGGAACCCACCCCTGCTCGTGTCTACTAAC  
GAATTTGACGCAGAGGCTCCACCCTCCGAGCGAGGTACCGGAGGTTTCGGAAGCACTGGGATT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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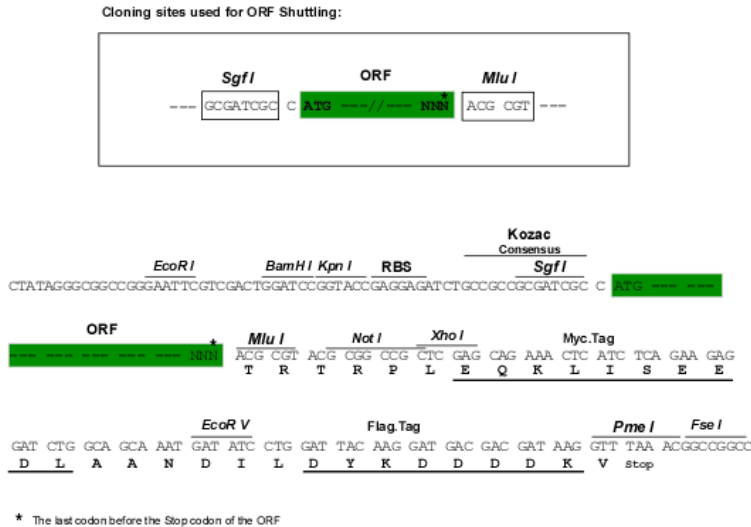
**Protein Sequence:** >VC100839 representing NP\_044653  
Red=Cloning sites Green=Tags

MSQWGSAILVQPD~~SLGRGYDGDWHTAVATRGGGVVQLNLVNRRAVAFMPKVS~~GD~~SGWAVGRVSLDLRMA~~  
 MPADFC~~AIHAPALASPGHHVILGLIDSGYRGTVM~~AVVAPKRTREFAPGTLRVDVTF~~LDILATPPALTE~~  
 PISLRQFPQLAPPPPTGAGIREDPWLEGALGAPSVTTALPARRRGRSLVYAGELTPVQTEHG~~DGVREIAIA~~  
 FLPKREEDAGFDIVVRRPVTVPANGTTVVQPSLRMLHADAGPAACYVLGRSSLNARGLLVVPTRWLP~~GHV~~  
 CAFVVYNLTGVPVTL~~EAGAKVAQLLVAGADALPWIPDNF~~HG~~TKALRNYPRGVPD~~STAEPRNP~~LLVFTN~~  
 EFD~~AEAPP~~SERGTGGFGSTGI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001806

**ORF Size:** 1113 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\\_044653](#)

**RefSeq ORF:** 1113 bp

**Locus ID:** 2703421

**UniProt ID:** [P04413](#)

**MW:** 39.1 kDa