

Product datasheet for **VC100916**

UL50 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL50 (NC_001798) 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 VC100916 represents NCBI reference of NP_044521 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACAGTGGGGACCCGGGCGATCCTTGTGCAGACTGACAGTACTAATAGGAACGCTGACGGGGATT
GGCAGGCCCGGGTTGCTATCCGCGGGGTGGAGTGGTCCAACGAACATGGTCAACAAACGCGGGTTCGA
CTTTACCCCTGCCGAGTGTGGAGACAGTGAATGGCCGTCGGCCGGGTATCCTTGGGGCTGAGGATGGCA
ATGCCCCGGGACTTTTGCACAATAATCCACGCCCCCGCGTGAGTGGACCGGGACCTCATGTGATGCTGG
GGCTGGTGGACAGTGGATATCGCGGGACAGTACTGGCCGTTGTCGTGGCCCTAATGGCACAAGGGGATT
CGCACCGGGAGCCTTGCGGGTTGATGTAACCTTCTTGATATCCGCGCCACCCCTCCCACTCTGACGGAA
CCTTCCAGTCTCCACAGATTCCCCCAACTGGCGCCCTCTCCCTGGCCGATTGCGAGAGGATCCATGGC
TGGATGGGGCGTTGGCAACTGCCGGAGGCGCAGTGGCCCTCCAGCCAGACGGAGAGGTGGATCTCTGGT
TTATGCCGGCGAGCTGACTCAGGTGACTACCGAGCACGGCGATTGCGTTCATGAGGCACCTGCCTTTCTT
CCTAAGAGGGAAGAGGACGCCGGGTTTACATACTGATTCATCGGGCCGTACCGTCCCTGCTAACGGAG
CCACCGTATCCAGCCGTCAGTACTGAGAGTCTGAGAGCCCGGATGGCCCTGAGGCATGTTACGTGCTGGG
TAGATCATCACTGAACGCTAGGGGACTCCTCGTATGCCTACGAGATGGCCATCCGGGCATGCATGTGCC
TTTGTGTCTGTAATCTGACTGGTGTGCCGGTTACTCCAGGCCGGAAGTAAGGTGCGCGAGCTGCTGG
TAGCAGGAACCCACGCACTTCTTGGATTCCACCTGACAACATCCATGAGGATGGCGCTTTCAGGGCCTA
CCCACGAGGCGTGCCAGACGCAACTGCCACACCCCGGGATCCACATATCCTTGTCTTACAAATGAATTC
GACGCCGATGCTCCTCTAGTAAGAGGGGAGCTGGCGGCTTGGATCCACAGGTATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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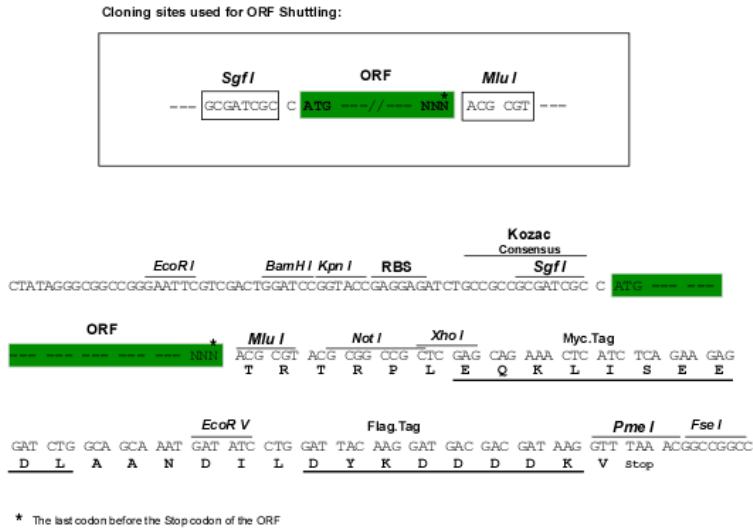
Protein Sequence: >VC100916 representing NP_044521
 Red=Cloning sites Green=Tags

MSQWGPRAILVQTDSTNRNADGDWQA AVAIRGGGVVQLNMVNKRAVDFTPAECGDSEWAVGRVSLGLRMA
 MPRDFCAIIHAPAVSGPGPHVMLGLVDSGYRGTVLAVVVAPNGTRGFAPGALRVDVTFLLDIRATPPTLTE
 PSSLHRFPQLAPSPLAGLREDPWLDGALATAGGAVALPARRRGGSLVYAGELTQVTEHGDCVHEAPFL
 PKREEDAGFDILIHRAVTVPANGATVIQPSLRVLR AADGPEACYVLGRSSLNARGLLVMPTRWPSGHACA
 FVVCNLTGVPVTLQAGSKVAQLLVAGTHALPWIPPDNIHEDGAFRAYPRGVPDATATPRDPPILVFTNEF
 DADAPPSKRGAGGFGSTGI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001798

ORF Size: 1107 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_044521](#)

RefSeq ORF: 1107 bp

Locus ID: 1487339

MW: 38.6 kDa