

Product datasheet for **VC100913**

UL48 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL48 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC100913 represents NCBI reference of NP_044518 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCTGCTCGTCGACGATTTGTTTGCCGATGCGGACGGAGTATCTCCTCCCCACCACGCCCGCAG
 GCGGCCAAAGAATACCCAGCCGCCCTCCCCTGTATGCGACTGGCCGGCTGTACAGGCTCAGCTTAT
 GCCCAGCCACCTATGCCCGTCCCACCCGCCCTGTCAATAGGCTCCTCGATGACCTCGGGTCTCT
 GCCGGCCTGCCCTGTGCACGATGCTGGATACATGGAACGAAGATCTTTTTCCGGATCCCAACAAACG
 CTGACATGTACAGGGAGTGCAAATTTCTGAGCACCTCCCCTCTGACGTGATAGACTGGGGAGACGCTCA
 TGTCCCGAGAGGTCCCCTATTGATATCAGAGCTCATGGCGATGTCGCTTCCCAACGCTGCCTGTACA
 AGAGATGAACTGCCTAGCTACTATGAGGCCATGGCTCAGTTTTTCAGGGTGAAGTGCAGCTCGAGAGG
 AGTCTACAGAACCGTCTGGCCAATTTCTGCAGCGCCCTTATCGCTACCTTCGCGCCAGCGTGAGGCA
 GCTTCATAGGCAGGCGCATATGCGGGGACAGGAACAGGGATCTGCGGAAATGCTGAGAACGACAATCGCC
 GACAGATATTACAGGAAACAGCAAGGTTGGCCAGGGTGTGTTCTGCACCTCTACCTGTTTCTGTCTC
 GAGAAATCCTGTGGGCCCTATGCTGAACAGATGATGCGGCCTGATCTGTTTCGACGGGCTTGTGTGA
 TCTGGAATCCTGGAGGACGCTGGCTTGCCTCTCCAGCCCTGATGTTTATAAACGGCTCCCTGACCGTT
 AGGGGGTCCCCTGGAGGCCAGACGACTGAGGGAAGTGAATCATATTAGAGAGCATCTCAACCTGCCCC
 TGGTGGGAGCGCAGCCGAGAAGAACCTGGTGTCCACTTAACTCCCCCGTCTGCAAGGAAACCA
 AGCTCGCAGCTCAGGATACTTTATGCTCCTGATTAGAGCAAACCTGGACTCATATTCTAGTGTGGCCACA
 AGTGGAGGAGAGCGCTTATGCGGGAGCACGCATACAGCCGGGTAGAACAAGGAACAATTATGGGAGCA
 CTATTGAGGGACTCCTCGATCTTCCGGACGACGATGCACCCGAGAAGCCGGACTGGTGGCCCTCG
 GATGTCCTTTCTCTGCTGCTGAGCAGCCAGGCGACTGTCACCACCGCTCCCATCACTGACGTGCA
 TTGGGCGATGAGCTCCGGCTGACGGTGAAGAGGTAGACATGACACCTGCCGATGCACTCGACGACTTTG
 ACCTGAAATGCTTGGCGACGTGGAATCCCAAGTCCCGGATGACTCATGACCCGTAAGTTACGGAGC
 CCTGGATGTTGATGATTCGAATTCGAGCAAATGTTCACTGACGCTATGGGCATCGATGACTTCGGAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100913 representing NP_044518
 Red=Cloning sites Green=Tags

MDLLVDDL FADADGVSPPPRPAGGPKNTPAAPPLYATGRLSQAQLMPSPMPVPPAALFNRLDDLGF
 AGPALCTMLDTWNEDLFSGFPTNADMYRECKFLSTLPSDVIDWGDHVPERSPIDIRAHGDVAFPTLPAT
 RDELPSYEAQFFRGELRAREESYRTVLANFCSALYRYLRASVRLHRQAHMRGRNRDLREMLRTTIA
 DRYRETARLARVLFHLHLFLSREILWAAYAEQMMRPDLFDGLCCDLESWRQLACL FQPLMFIGSLTV
 RGVPEARRLRELNHIREHLNPLVRSAAAEPEGAPLTPPVLQGNQARSYGFMLLIRAKLDSYSSVAT
 SEGESVMREHAYSRGRTRNNYGSTIEGLLDLPDDDDAPAEAGLVAPRMSFLSAGQRPRLSTTAPITDVS
 LGDELRLDGEEVDMTPADALDDFDLEMLGDVESPSGMTHDPVSYGALDVDDFEFEQMFDTAMGIDDFGG

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3716_b10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NC_001798

ORF Size: 1470 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_044518](#)
RefSeq ORF: 1470 bp

Locus ID: 1487335

MW: 54.6 kDa