

Product datasheet for **VC100837**

UL49 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL49 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100837 represents NCBI reference of NP_044651 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAAGCAGGCGCAGCGTGAAGAGTGGACCCAGGGAGGTGCCACGGGATGAATATGAGGACCTGTACT
ATACCCCATCATCCGGCATGGCATCTCCGACTCCCCCTGACACTTCACGGAGAGGAGCCCTGCAGAC
TAGAAGCCGGCAGCGCGGCGAGGTTAGGTTCTGTACAGTATGATGAGTCCGATTACGCCCTATAGGCCGGC
AGTTCTTCCGAGGACGATGAACATCCCGAAGTGCCAAGGACTCGGAGACCTGTGAGCGGAGCTGTCTTGT
CCGGCCCTGGTCTGCAAGAGCTCCCCCTCCCCGGCTGGATCAGGTGGAGCTGGCAGAACTCCTACTAC
CGCCCTAGAGCCCCAGGACGCAAGAGTGGCCACTAAGGCACCCGCTGCCCCGAGCAGAAAACGACC
CGGGGCCGAAAAGTGCAGCCAGAGAGCGCAGCCCTCCCTGATGCACCAGCTAGCACAGCACCTACCA
GAAGCAAAACACCAGCGCAGGGACTCGCTCGCAAAGTGCACCTTTCAGCACAGCCCCCTAATCCAGACGC
GCCGTGGACTCCCGAGTTGCAGGGTTTAAACAAGAGGGTTTTCTGTGCAGCTGTCGGACGGCTTGTGCA
ATGCATGCTAGGATGGCCGCTGTGCAGCTGTGGGACATGAGCCGACCCAGAACGGATGAGGATCTGAACG
AACTTCTGGGCATCACCCTATTAGGGTAACCGTGTGCGAGGGTAAGAACCTGTTGCAGAGGGCAAATGA
GCTTGTGAATCCAGATGTGGTTCAAGATGTGGATGCCGCCACTGCAACAAGGGGCCGCTCCGCCGAAGC
AGGCCTACCGAAAGACCCGGGCTCCTGCCGCTCTGCAAGCCGGCCAGAAGACCAGTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >VC100837 representing NP_044651
 Red=Cloning sites Green=Tags

MTSRRSVKSGPREVPRDEYEDLYYTPSSGMA SPD SPDPDTSRRGALQTRSQRGEVRFVQYDESDYALYGG
 SSEDDEHPEVPRTRRPVSGAVLSGPGPARAPPPAGSSGAGRTPTTAPRAPRTQRVATKAPAAPAAETT
 RGRKSAQPE SAALPDAPASTAPTRSKTPAQLARKLHFSTAPPNDAPWTPRVAGFNKRVFCAAVGRLAA
 MHARMAAVQLWMSRPRTDEDLNELLGITIRVTVCEGKNLLQRANELVNPVVDVDAATATRGRSAAS
 RPTERPRAPARSASRPRRPVE

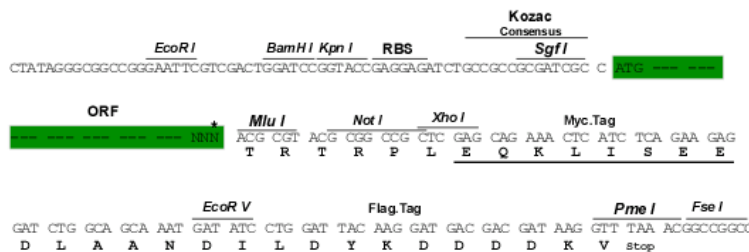
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2096_d07.zip

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: 903 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:	<ol style="list-style-type: none">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:	<u>NC_001806.1</u> , <u>NP_044651</u>
RefSeq ORF:	903 bp
Locus ID:	2703417
UniProt ID:	<u>P04413</u>
MW:	32.3 kDa