

Product datasheet for **VC101905**

L2 (NC_001526) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001526) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101905 represents NCBI reference of NP_041331 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGCATAAGAGATCCGCCAAGAGAACAAAACGAGCTAGCGCAACACAGCTCTATAAACTTGT AAGC
 AGGCCGGTACATGTCCCCCGATATCATCCAAAAGTGGAGGAAAAACAATAGCAGAGCAGATTCTTCA
 GTACGGCAGTATGGGAGTGT TTTTGGTGGCCTCGGCATTGGCACCGGGTCCGGTACTGGCGGTCCGACT
 GGATATATTCCACTGGGAACACGCCCTCCACCGCCACAGATACATTGGCCCCGTTAGGCCCCACTGA
 CCGTGGACCCAGTTGGGCAAGCGACCCAGTATCGTGAGTCTCGTGGAGGAGACTAGTTTTATCGACGC
 TGGCGCTCTACCAGCGTGCCCTCAATCCCCCGATGTCTCAGGATTCAGCATAACAACAAGTACTGAC
 ACAACACCCGCCATTCTTGACATCAACAACACCGTCACCCTGTCACCACACATAACAACCAACATTTA
 CAGATCCCTCCGTGCTTACGCCACAACCGCTGCCGAAACAGGAGACACTTTACTCTCTCTCCAC
 CATCTCTACACAATTACGAAGAGATCCCAATGGATACCTTTATCGTCTCCACGAACCCCTAACACCGTC
 ACCTCCTCAACCCCATCCAGGATCACGGCCAGTAGCCAGGCTGGGACTTTATCCCGAACTACTCAGC
 AGGTCAAGGTAGTGGACCTGCCTTTGTAACCACACCGACAAAGTTGATTACGTATGATAACCCCGCTTA
 TGAGGGTATCGATGTCGACAATACCTTGTATTTACGAGTAACGATAATTCATCAATATCGCCCCGTGAT
 CCTGACTTTTTGGATATCGTGGCCCTGCACAGACCTGCACTGACTAGCCGGCGGACAGGCATTGACT
 CACGGATCGGCAACAAGCAGACCCCTCGCACTAGATCTGGAAAGTCAATCGGAGCCAAAGTCCATTACTA
 CTACGACCTGAGTACTATTGATCCTGCAGAGGAGATCGAACTCCAGACGATCACTCCAGCACCTATACC
 ACGACTAGTCACGCCGCCAGCCCACTCAATTAATAACGGACTCTACGACATCTACGCCGATGACTTTA
 TTACCGATACATCCACAACACCCGCTCCCTTCTGTGCCTTCCACCTCACTGAGTGGCTATATACCAGCTAA
 CACCACAATACCTTCGGTGGAGCTTATAATATCCCTCGTATCAGGCCAGATATACCAATTAATATC
 ACGGACCAGGCCCTAGTCTGATCCCTATCGTTCAGGCTCCCCACAGTATACCATTATTGCCGATGCCG
 GCGATTTTACCTTACCCTAGTTACTATATGTTGAGGAAAAGCGGAAACGCCTCCCACTTCTTTAG
 TGACGTGCACTCGTGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101905 representing NP_041331
 Red=Cloning sites Green=Tags

MRHKRSKRTRKRSATQLYKTCKQAGTCPPDIIPKVEGKTIAEQILQYGSMTGFFGGLGIGTGSSTGGRT
 GYIPLGTRPPTATDTLAPVRPPLTVDPVGPSPDPSIVSLVEETSFIDAGAPTSVPSIPPDVSGFSITTSTD
 TTPAILDINNTVTTVTHNPTFTDPSVLQPPTPAETGGHFTLSSSTISTHNYEIPMDTFIVSTNPNTV
 TSSTPIPGSRPVARLGLYSRTTQVKVVDPAFVTTPTKLITYDNPAYEGIDVDNTLYFSSNDNSINIAPD
 PDFLDIVALHRPALTSRRTGIRYSRIGNKQTLRTRSGKSIKAVHYHYDLSTIDPAEEIELQITIPSTYT
 TTSHAASPTSINNGLYDIYADDFITDTSTTPVPSVPSTSLSGYIPANTTIPFGGAYNIPLVSGPDIPINI
 TDQAPSLIPIVPGSPQYIIADAGDFYLHPSYMLRKRRLPYFFSDVSLAA

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2563_a02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001526

ORF Size: 1419 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_001526.2, NP_041331](#)

RefSeq ORF: 1419 bp

Locus ID: 1489081
UniProt ID: [P03120](#)
MW: 50.7 kDa