

Product datasheet for **VC101954**

L2 (NC_001591) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001591) 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 VC101954 represents NCBI reference of NP_041836 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTAAGGGCCAGGCGCACAAAGAGGGATAGTGTGACTAATATTTACCGGACCTGCAAGCAGGCCGGGA
 ACTGCCACCAGATGTTGTGAATAAAGTTGAGCAGACCACTATCGCGGACCAGATATTGAAGTTTGAAG
 CACAGGTGCTTCTTCGGCGGCCTGGGAATCGGTACTGGCCGGGGACAGGCGGTTCTACAGGGTATGTG
 CCAATCGGGGAAGGCCCTGCTATAAGAGTGGGGGACACCATCAGTTGTCGGCCGGGCATCTGCCGG
 AGGCAATCGGACCCGCTGATATAATTCCCATCGACACGGTTAATCCCATTGATCCAAACGCCCTTCCGT
 GGTACCTTTGACCGATACAGGCCAGACTTGTCCCGGAACGATCGAGACTATTGGGAGGTGAATCCT
 GCTCCTGACATTCGAAGAGTCGATACCTCCGTGGTGACCAGTCTCGCGGTTCTTCTGCCGTGCTCGAGG
 TGGCCAGCGAACCAACACCTCCTACCCGAACCCGCATCTCCGCACTCAATACCATAACCCAGCTTCCA
 GATACTGACCGAGTCAACTCCCAGTCTGGGAGAATCAGCACTGACTGATCATGTGGTTGTGACTAGCGGA
 TCCGGGGACAGCCCATCGGAGGTGTACCCCGTGAAATCGAACTTCAGGAACTGCCGTCCCGGTATA
 CCTTTGAGATCGAGGAGCCAACCTCCTCGGCGCTCCTCCACCCCTCAGGAATACCCAGGCCGT
 TGGAACTTGGGAGAAGCCTTTACAACAGGAGGCTCACCCAGCAAGTGAATGTCCAAGACCCACTCTTT
 TTGCAACAGCCTTCCAGGCTTGTGAGGTTTCGTTTCGATAACCCGGTCTTTGAAGAGGAAGTGACCCAGA
 TTTTCGAGCGGATGTCGCGCCGTTGAAGAGCCGCCAGATAGAGATTCCTGGACATTGCCAACTGTC
 AAGACCCCTGTACTCCGAGACACCCAGGGTACGTTAGGGTCACTCGCTGGGAAACCGGCCAGTATT
 CGCACCCGCTCCGGCGCAACAGTGGTGCACAAGTTCACTTTTACACCGACTTGAGTACAATTGACGCTG
 AAGAAAAGTATCGAGTTGAGTCTGCTTGGCGAGCATTCTGGAGACGCTACCATCGTCCAGGACGATTGA
 GAGCAGCTTCGTTGATCTGAACGTACAGGAACTCCCGCAGGTATCGAAGTCGATCCTGAGCCTACGTTT
 CACAGTGACGACTTGTGCTGGACGAACAGAATGAAGATTTAGCGGATCTCAATTGGTGTACGGTCTG
 GAAGGCGGAGCACCACTTACCCTACCAAGGTTTTCAACACCACGCTCTGATACCTTCTATGTTCAAGA
 TCTGGAGGTTACGCCGCTCCTATCCCGAACGAAGAACTACCCGAGATCATCTACCCACAGCCCGAT
 CTGCCTACCGTATTATCCACACAGCCGACACCTCTGGTACTTCTACCTTATCCAGTCTGAGAAGGC
 GCAAGCGAAAGCGGACCTATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101954 representing NP_041836
Red=Cloning sites **Green**=Tags

MVRARRTKRDSVTNIYRTCKQAGNCPDVPVNVKVEQTTIADQILKFGSTGVFFGGLIGTGRGTGGSTGYV
 PIGEGPAIRVGGTPSVVRPGILPEAIGPADIIPIDTVNPIDPNASSVPLTDTGPDLLPGTIETIAEVNP
 APDIPRVDTSVVTTSRGSSAVLEVAASEPTPPTRRISRTQYHNPSFQILTESTPSLGESALTDHVVVTS
 SGGQPIGGVTPVEIELQELPSRYTFEIEEPTPPRRSSTPLRNITQAVGNLRRSLYNRRLTQQVNVQDPLF
 LQQPSRLVRFADNPVFEEVETQIFERDVAAVEEPPDRDFLDIAKLSRPLYSETPQGYVVRVSRNLGNRASI
 RTRSGATVGAQVHFYTDLSTIDAEEISSLGEGHSDATIVQGPVESSFVDLNVQELPQVIEVDPEPTF
 HSDDLLLDEQNEFSGSQLVYSGRRSTFTVPRFSTPRSDTFYVQDLEGYAVSYPERRNYPEIIYPQPD
 LPTVIIHTADTSGDFYLHPSLRRRKRKRTYL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001591

ORF Size: 1563 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_001591.1](#), [NP_041836](#)

RefSeq ORF: 1563 bp

Locus ID: 1489447

MW: 57.1 kDa