

Product datasheet for **VC100434**

L2 (NC_010956) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_010956) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L2
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 VC100434 represents NCBI reference of YP_001974428 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAGGAGGGCAGTGGTTAGCTCTTCCCCACCTCCATCTTACGAGAGTGTGATGGCACAGGCTACACTGG
 AAGTCCCCTTTGTCCACCCAGATACATGGCGCCGACCGAAGGAAGAAATAGCATACGCTATAGTGAAC
 TGCTCCTCAATACGACACAACCCGGGTATATCTTGTGGACAACAAATCAGCAGACATCGCCTCTCTGAAT
 TATCAGAACGACCATAGTAACCTCCTGACTACCGTGGTGCAGAATAATGACTTTACCCCTGCTGAAGCCT
 CTACTCAAACGATCAATTTTACGAGCGAAGCCGGTGGGGTGGCGACCTCAAGACTATCCTTCATACGAA
 TATGCCAAACGTGAACGAGTACATGTTTACAAGCAAGTTCAAAGCCAGAGTAATGGTGGCACGGAAACAC
 CCCGAAGGCGTGGTAGAGACCGATCTCAGCCAGGACAACTGGAGTACGAGTGGTTTGGATTTACCTCC
 CCGAGGGCAACTTTAGCGAAACCATGACTATTGATCTCATGAATAACGCTATACTCGAGAACTATTTGCA
 GGTGGAAAGCAGAAATGGGGTTCTCGAGTCTGATATAGGCGTGAAGTTTACTCTAGGAACCTTAAACTG
 GTTGGGACCCCTGTGACAAAGCTCGTGATGCCAGGCGGTACACCTACGAAGCCTTTCACCTGACGTGG
 TCTTGCTCCCCGGCTGTGGGGTGGATTTACAGAGAGCAGACTCTCAAATCTGCTGGCATTGAAAGAA
 GCAGCCCTTCAAAGAGGGTTTCAGGATTATGTACGAGGATCTGGAGGGCGGAAACATCCCTGCATTGCTC
 GATGTGCCAAAATACCTTGAGTCTAAGAAAAAGGTGGAGGACGAGACCAAGAACGCAGCCGCCGCTACCG
 CCGATACTACCACCCGAGGTGACACATTCGCCACACCAGCTCAAGAGACCCGAGCAGATAAAAAGGTGGA
 AGTTCTGCCATTGAGAAGGATGAGAGTGGCCGGAGCTACAACCTGATTCAGGAACTCACGATACTCTG
 TATCGCTCATGGTATCTTCTCACCTACGGGACCCAGAAAAGGGAGTCCAGAGCTGGACCCTGCTGA
 CCACGCCGACGTGACCTGTGGCGTGAACAAGTCTATTGGTCACTGCCGGATCTCATGCAGGACCTGT
 GACTTTTCGCTCCACTCAACAAGTAAGTAATTACCCTGTCTAGGAGCTGAACTGATGCCCTTCAGGGCC
 AAGTCATTTTACAACGACCTGGCTGTGACTCTCAGTTGATTCGAAGTTACACTTCTCTGACTCACGTTT
 TCAATCGCTTCCCGACAACCAGATTCTGTGCAGGCCCCAGCACCCACTATAACCCTGTGTCAGAAAA
 CGTTCCCGCATTGACCGACCACGGAACGCTCCCTCTCCGAGTAGTATACGAGGCGTCCAACGGGTGACA
 GTGACTGACGCACGAAGAAGGACATGCCCGTATGTCTATAAGGCCCTGGGTATCGTGGCACCCCGAGTCC
 TGCATCACGCACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100434 representing YP_001974428
 Red=Cloning sites Green=Tags

MRRAVVSSPPPSYESVMAQATLEVFPVPPRYMAPTEGRNSIRYSELAPQYDTRRVYLVNKSADIASLN
 YQNDHSNFLTTVVQNNDFTPAEASTQTINFDESRWGGDLKTIILHTNMPNVNEYMFTSKFKARVMVARKH
 PEGVVETDLSQDKLEYEWFETLPEGNFSETMTIDLMNNAILENYLQVGRQNGVLESIDIGVKFDSRNFKL
 GWDPVTKLVMPGVYTYEAFHPDVVLLPGCGVDFTESRLSNLLGIRKKQPFQEGFRIMYEDLEGGNIPALL
 DVPKYLESKKVEDETKNAAAATADTTTRGDTFATPAQETAADKKVEVLPVIEKDESGRSNLIQGHDTL
 YRSWYLSYTYGDPEKGVQSWTLLTTPDVTGAEQVYWSLPDLMQDPVTFRSTQQVSNYPVGAELMPFRA
 KSFYNDLAVYSQLIRSYTSLTHVFNRFDPNQILCRPPAPTITTVSENVPALTDHGTLPVLRSSIRGVQRV
 VTDARRRRCPPYVYKALGIVAPRVLSSRTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_010956

ORF Size: 1557 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_010956.1, YP_001974428](#)

RefSeq ORF: 1557 bp

Locus ID: 6386285

MW: 58.6 kDa