

Product datasheet for **VC101830**

L2 (NC_001694) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001694) 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 VC101830 represents NCBI reference of NP_043449 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTTAAACGCCGCAAGAGAGCTTCCGCTACCGATCTGTACCGAACATGTAACAGTCTGGAACCT
 GCCCCCTGATGTTGTACCAAAAGTCGAGGGCGATACTCTGGCCGATCGCATTCTGAAATGGGCATCTCT
 TGGAGTGTTTTTGGTGGCTTGGGTATCGGGACGGGGTCCGGCACCGCGGACGCACAGGGTACGTGCCA
 ATTGGGACCAGGCCTCCACCGTCGTAGACATTGGACCAGTCAGCAGGCCACCCGTCGTGATCGACCCAG
 TCGGGCGGCAGATCCCTCAATCGTGACACTCGTGGAGGAGTCTTCTGTGATTGAGGCCGGTGTACCGT
 CCCAACATTACAGCGGATCCGGAGGTTTCAACGTTACATCCAGTAGCACAACACTACCCAGCAGTACTCGAC
 ATTACCCCAAGCGGAGGCTCTGTGCAAGTGTCAAGTACTAGCTTTATTAATCCCCTGTTACGGAGCCCT
 CTATCATAGAGCCACCTCAAGCCGAGACCTTGGCCGACAGTATTTCTAGTACCCCGACCGCCGGATC
 CCACAGCTTCGAGGAAATACCTATGCACACCTTGCACACTTCTGAAGGACTGGCTCATCTACACCGCTG
 CCTGGGATCAGGCGCCTCGCCCGGCCACGACTTAACTGTACTCAAAAGCTAACCAGCAAATCAAAGTAG
 CCAATCCGACTTTCATGAGCGACCCAGCTAGTCTGATCACCTATGACAATCCCATCTTTGATCCCGAAGA
 AACAAATCATTTTCGAACACCCAGTATCTACACGCCACCCGACCCAGACTTTCTCGACATCGTGTCCCTG
 CACAGGCCAGCCCTCACCAGTAGGCAAGGCACTGTTAGATTAGTTCGCTCGCCGAGAGAGCTACTCTGC
 GCACACGCTCAGGACGAAGGATCGGGCGCGCTCCACTTTTACCACGACATATCCCAATTCCTCCGA
 CGCCGTAGAGCTGCAGCCCTGGTGGCAGCAGTAGCCCTCTATAACATATGATATTTATGCCGATCCA
 GAAGTGTGGACTCCCGCCCAACATACGCAACCCACACTGACAGTACAGGGTCCAAGCCTCTCCGCTG
 CCTCTGCTTCAACTAAAGTGCATAATGTACCGTCCCCCTGGCCACCGGATTGGACACTCCAGTTACGAG
 TGGGCCAGATGTCGACTTCGCTCAGCTCCTGCACCTGTGCCTGTGTGCCCTACGTGCCAGCCAGCAC
 CCTCACTCCATATACATAAAGGTCGATTTTTATCTGCTCCCCGCTTATGTTTTCTTTCCCAAGAGGC
 GCAAAAGGTCCTACTCTTTCTCCGATGGATTGTTGCCGCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101830 representing NP_043449
 Red=Cloning sites Green=Tags

MALKRRKRASATDL YRTCKQSGT CPPDVVPKVEGDTLADRILK WASLG VFFGGLGIGTSGTGGRTGYVP
 IGRPPTVVDIGPVSRRPVVIDPVGAADPSIVTLVESSVIEAGATVPTFSGSGGFNVTSSSTTTPAVLD
 ITPSGGSVQVSSTSFINPLFTEPSII EPPQAGDLAGHVISSTPTAGSHSFEEIPMHTFATSEPGSSTPL
 PGIRRLARPLNLYSKANQQIKVANPTFMSDPASLITYDNPIFDPEETII FEHPSIYTPDPDFLDIVSL
 HRPALTSRQGT VRF SRLGQRATLRTRSGRRIGARVHFYHDISPIPSDAVELQPLVPSSSPSITYDIYADP
 EVLDLPAQHTQPTLTVQGPSLSAASASTKVHNVTVPLATGLDTPVTSGPDVDFAHAPAPVPAVPYVPATH
 PHSIYIQGSDFYLLPAYVFFPKRRKRVPYSFSDGFVAAW

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NC_001694

ORF Size: 1377 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_001694.1](#), [NP_043449](#)

RefSeq ORF: 1377 bp

Locus ID: 1403317

MW: 48.7 kDa