

Product datasheet for **VC101911**

L2 (NC_001583) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001583) 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 VC101911 represents NCBI reference of NP_041786 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGGCTGTCCGAGCACCTCGCGGAAGAGGGCATCTGCGACCGACCTGTATAAGACATGCAAGGCAG
CAGGTA
CTTGTCCACCAGACGTGATCCCAAGATAGAAGGCTCTACCCTCGCTGATAAAAATTCTGCAGTG
GAGCGGGCTTGGGATTTTTCTTGGGGCCCTCGGAATCGGGACCGGAACCGGTAGCGGGGGAGGACAGGA
TATATCCCTCTCGGGGTGGGGTGCGCCGAGCGTGGTTGATATCGGCCAACCCGGCCCCCATAATTA
TCGAGCCCGTCCGCCCTACAGAGCCATCCATAGTTACTCTCGTTGAAGAGTCTCCATCATTAGTCTGG
AGCTCCCATACCTACGTTTTAGGTGGCAATGGTTTCGAGCTTACCACCAGTTCGCTACGACGCCTGCA
GTGCTGGACATAACACCGTCAGCCGGGACCGTGCACGTGACATCAACAAACATCCAAAATCTCTCTACA
TCGAGCCGCAATTGATATCCCAAGGAGGAGGCTAGTGGGCACATATCCACCACCAGTACCGC
CGGTACCCATAGTTACGAAGAGATCCCAATGGAGGTGTTGCCTCCACCAACGGGACCGGCTTGAGCCA
ATCAGTCTACCCCAATCCCGGAATCCAGCGGTGTCAGCACCCAGGCTGTACTCCAAGCGTATCAGC
AGGTTAAAGTGACCGATCCTAATTTTATCGGTAATCCCAGTACCTTCGTCACGTTTCGATAACCCCGCTTA
CGAGCCTATTGACGAGACCCTACCTACGCTAGTTCTAGCACCGTGGCGCCTGATCCCGACTTTCTTGAC
ATTATCGCCCTGCATCGCCCTGCCTGACTTCCAGGAAGGGAAGTGTGAGATATTCTCGGCTGGGCCAGA
AGGCTACTATGAAGACCGAAGCGGGAAGCAGATTGGAGCCACAGTTCATTATTACAGCATTAGCCC
AATCCAGAGCTTCGCGGAACACGAGGAGATCGAACTGCAGCCCTGCATACGAGCACACAGTTCGCGC
CCACTGTTTGACATATACGCGGACCCGACACCGTCCCAGCATACACACCCACGAATGCTTACTCTC
CTACTACCTGCCCGTGCCTCGATATGCATCAAATGTCTTCTCCTCAATCAACACCAGCACTACTAACGT
GACGGTGCCTCTGAGTACCTCTTTCGAATTGCCCGTGTACTCTGGGAGCGATATTTACAGCCACATCA
AGCCCCACGTGGCCCTCCTGCCGCCACCCCCACTACTAATCTTCCAGCCATTGTCGTCCATGGAGATA
ATTACTATCTGTGGCCCTACATTTATCTCATTCAAGCGAAGGAAAAGGATGCCATATTTTTTCTCTGA
TGGATTTCGTAGCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101911 representing NP_041786

Red=Cloning sites Green=Tags

MVAVRAPRRKRASATDL YKTCKAAGTCPPDVIPKIEGSTLADKILQWSGLGIFLGLGIGTGTGSGGRTG
YIPLGGGGRPSVVDIGPTRPPIIIIEPVGPTEPSIVTLVEESSIIQSGAPIPTFSGNGFELTSSATTPA
VLDITPSAGTVHVTSTNIQNPLYIEPPIDIPQAGEASGHIFTTTSTAGTHSYEEIPMEVFASTNGTGLEP
ISSTPIPIGIQRVSAPRLYSKAYQQVKVTDPNFIGNPSTFVTFDNPAYEPIDETLTYASSSTVAPDPDFLD
IIALHRPALTSRKGTVRYSLGQKATMKTRSGKQIGATVHYYHDI SPIQSF AEHEEIELQLHTSTHSSA
PLFDIYADPDTVPSIHTPRMSYSPTTLPVPRYASNVFSSINTSTTNTVPLSTSFELPVYSGSDIYTPTS
SPTWPSLPPPTTNLPAIVVHGDNYLWPYIYL IHKRRK RMPYFFSDGFVAY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001583

ORF Size: 1416 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_001583.1](#), [NP_041786](#)

RefSeq ORF: 1416 bp

Locus ID: 1496949

MW: 50.6 kDa