

## Product datasheet for **VC101923**

### L2 (NC\_001587) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001587) 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 VC101923 represents NCBI reference of NP\_041811 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGCGGAAAAGGGATCTCACATCCGACGAAAACGCGCAAGCGGACTCAGCTGTACAAAATTGTA  
 AGCAAAGCGGTACCTGCCCCAGACATCATTCCAAAGTTGAAGCAATACCCTGGCAGATCAGATTCT  
 TAAGTATGGCAGCATTGGAGTCTTCTCGGCGGACTGGGTATTGGCTCCGGCTCTGGAACCGGAGGACGC  
 ACTGGGTATGTCCCTCTTCTACGACTACTCTAGCCGCCTGTGAAATCCCTTTGCAGCAACCCGGC  
 CTCCTGTCATTACTTCTGTGGAGCCAGTGATTCCAGCATCGTGAGTCTGGTAGAGGAATCATCTTTTAT  
 TGAGGCTGGCGTCCCGGCCACTAGCATCGTGCCGCTCTTTCAGTTTTAACGTCACAACTCCGTC  
 GACTCAACGCCAGCAATCATCGATGTGGCCACCATTTCTGATACCACACAGGTTTCAGTTAGCACCTTTA  
 ATAATCTACGTTTACAGACCCTCCGTCCTGCAGCCCCCTCCCTTGAAGCAAGCGGCAGACTGCT  
 TTCTCTAACGACACCGTTACCACCCATTCCTACGAGAATTCCTCCCTGGATACCTTCGTGGTCACTACC  
 GACAACAACCTCTATCGTGAGTAGTACCCCATCCCTGGCAGGCACCCACCTGCCCGCTGGGGCTTTATG  
 GTCGGGCGATTACGAAGTAAAAGTGGTCGACCCGGCTTTTGTACAACGCCTACAAGACTGGTCACTTA  
 CGACAACCTGCTTTCGAAGGCTGCAAGACACCACTGGAAATTCACAACAGCGATCTGCACAACCGG  
 CCTGATCCGACTTCTCGATATAGTGAAGCTGCACCGCCTGCGCTTACTGCACGCAAGACTGGGATCC  
 GCGTTTACGCTTGGCCAACGCGCAACTATGTTACACGGTCTGGAAAAGGATAGGAGGGAGAGTACA  
 CTTCTACCATGACCTGTCTCCATCCCCACCGAGAATATTGAAGTGCAGCCTCTGCTGCCAAGCGCAAGC  
 GCAACTGCACTGATGCCAACGGCATCAACGACGGCCTGTACGAGTGTGTTGGATAAATGTGGACA  
 TCACGGAGGTGGAACTCCCACTGGCACCAATACTCAGTCCGTGTTGTCATCAGAGATCAGCACTACCAC  
 AGCAAATACGACCATCCCGCTGAATGCAGGTTGGACTCACCCGGCCAGATATCGCGCTGCCAGTG  
 CCAACTGCCGAAACAATCTTACACCCACCGTCCCGGTGCAACCTAGCGGACCAATCTATATACGGCA  
 GCGATTTTCATCTTACCCAGTCTCTATGTGATTCCACGAAAACGCAAGAGACTGTCTTATTTCTCGC  
 CGACGTTGCCACCTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101923 representing NP\_041811  
 Red=Cloning sites Green=Tags

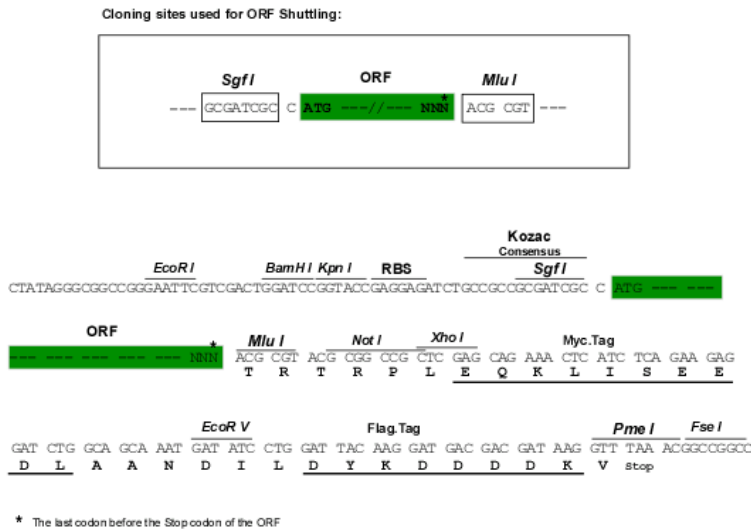
MRRKRDTHIRKRASATQLYKTCQSGTCCPDIIIPKVEGNTLADQILKYGSIGVFFGGLGIGSGSGTGGR  
 TGYVPLPTTTPSRPVEIPLQPTRPPVITSVGASDSSIVSLVEESSFIEAGVPGPTSIVPSSSGFNVTTSV  
 DSTPAIIDVATISDTTQVSVSTFNPTFTDPSVLQPPPLEASGRLLFSNDVTTHSYENIPLDTFVVT  
 DNNSIVSSTPIGRHPPARLGLYGRAIQVKVVDPAFVTTPTRLVTYDNP AF EQLD TTLEFQHSDLHNA  
 PDSDFLDIVKLHRPALARKTGIRVSR LGQRATM FTRSGKRIGGRVHFYHDL SPIPTENIELQPLLPAS  
 ATVTDANGINDGLYDVLDDNNVDITEVETPTGTNTQSVF ASEISTTTANTTIPLNAGLDTHPGPDIALPV  
 PTAETIFPTVPVQPSGPIYIYGSDFILHPSLYVIPRKRKRLSYFFADVATY

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_001587

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\\_001587.1](#), [NP\\_041811](#)

RefSeq ORF: 1416 bp

Locus ID: 1489434

MW: 50.6 kDa