

## Product datasheet for **VC101836**

### L2 (NC\_001576) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001576) 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 VC101836 represents NCBI reference of NP\_041745 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTTGCGCAAAGAGCCAGGCGCGCAAAGGGCTTCCGCTACTCAGCTGTATCGCACCTGTAAAGCTT  
 CAGGGACATGTCCCCAGATGTGATACCCAAGGTGGAAGGTACAACCCTGGCGGACAGGATCCTCCAATG  
 GGGATCTCTGGGAGTTTACCTGGGGGTTTGGGCATTGGAACCGGCTCAGGGACTGGAGGGAGAACGGGG  
 TATGTGCCTATCAGTACCAGGCCAGGCACAGTCGTGGAGTATCTGTTCCCGCCAGGCCCCAGTAGTAA  
 TTGAGCCAGTGGGACCCTCTGACCCTTCCATCGTCAACCTGCTGGAAGACTCCAGCATTATCAACAGCGG  
 AAGTACCATTCCAACGTTTTCCGGAACCTCCGGGTTTGAAGTACCAGTTCGCTACCACCACGCTGCA  
 GTGCTCGATATCACACCGCGTCCGAGAATGTGGTGATATCATCAACCAATTTTACCAATCCGGCGTTCA  
 CAGAACCGTCCCTCGTCGAGGTGCCTCAAAGTGGCGAAGTGAGCGGACACATCCTGATTTCCACACCTAC  
 TGGCGGAAACGCATGGATACGAGGAGATCCAATGGATACATTGCTCTAGTGGGACAGGTACAGAGCCC  
 ATCAGCAGCACCCAGTACCTGGAGTGTCAAGGATCGCGGGTCCGCGCCTGTATTACAGGACTAATACAC  
 AGGTGAAAGTCTCAGACCCAGCATTCTGTGACGACCCTCCTCACTGCTGACCTTTGATAACCCGGTATT  
 TGAACCAGAGGACGAGACAATATTTTCGAAAGGCCGTAATCCCCAGCAGGGTACCTGACCCTGACTTC  
 CTGGACATCGTGCCTTGCACAGGCCAGCACTGACCAGCAGGAGGGGCACAGTCCGGTTCAGCAGGCTGG  
 GACAGAAATTTCTATGCGCACACGGTCAGGTAAGGGATCGGTGCCCGGTACATTATTACCAGGATCT  
 CTCCCCAATTGCACCTATAGAAGATATTGAAATGGAACCACTCCTCGCACCTGCTGCTCCGACACTATA  
 TATGATATTTTTGCCGATGTTGACGATGGGGACGTCGTTTACCGAAGGATACAGGAGCACCACACAGA  
 GTCGCGGCTACAATACCACGTCCTCTGTCTTCAACACTCAGCACAAAATACGGGAATGTTACCATTCC  
 ATTTGTCTCACCTGTGGATGTCACGCTGCATACCGGTCCTGATATCGTCTTGCCAACATCCGCTCAGTGG  
 CCTTACGTCCTCTGTCCCTGCCGATACAACCCACTACGTGTATATCGACGGGGGTGATTTTTATCTGT  
 GGCCCGTCACCTTCCACTTCTCCAGACATAGGAGGCGGAAAGAGTCAGCTACTTTTTTGCAGATGGAAC  
 CTTGGCACTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101836 representing NP\_041745  
 Red=Cloning sites Green=Tags

MVAQRARRRRKRASATQLYRTCKASGTCPPDVIPKVEGTTLADRILQWGS LGVYLGGLGIGTSGTGGRTG  
 YVPISTRPGTVVDVSVPARPPVIEPVGSPDPSIVNLLDSSIINSGSTIPTFSGTSGFEVTSATTPA  
 VLDITPASENVVISSTNFTNPAFTEPSLVEVPQSGEVSGHILISTPTAGTHGYEEIPMDTFASSGTGTEP  
 ISSTPVPGVSRIAGPRLYSRANTQVKVSDPAFLSRPSSLLTFDNPVFEPEDETIIFERPYSRVPDPDF  
 LDIVRLHRPALTSRRGTVRF SRLGQKFSMRTRSGKIGARVHYQDLSPAPIEDIEMEPLLAPASDTI  
 YDIFADVDDGDVAFTEGYRSTTQSRGYNTT SPLSSTLSTKYGNVTIPFVSPVDVTLHTGPDIVLPTSAQW  
 PYVPLSPADTTHYVYIDGGDFYLWPVTFHF SRHRRRKRVS YFFADGTLAL

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_001576

ORF Size: 1410 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\\_001576.1](#), [NP\\_041745](#)

RefSeq ORF: 1410 bp

Locus ID: 1489378

MW: 50.6 kDa