

## Product datasheet for **VC101816**

### L2 (NC\_001352) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001352) 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 VC101816 represents NCBI reference of NP\_077121 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGTAGGGACTCATATCCTAATAGGCTGTTTCATTGTGGATGTGCTTTGCCATTTCGTTAAGCCTC  
 ATCTGACCCCGCCTCTCTTCTACATCGTCTTATTCATTTTCACTTTGATACATTTGTTTTCTTCTGTA  
 TCTCTTGCCTTTAATAAACGAGCCACCATGAGCATCAGAGCCAAGCGCCGAAACGGGCTTACCTACC  
 GACCTCTACAGGACCTGCAAACAGGCGGGAACCTGCCACCCGATATTATCCCTCGCGTCGAAACAAAACA  
 CGCTGGCAGACAAAATACTCAAGTGGGGCTCACTGGGTGTGTTCTTCGGAGGGCTGGGGATAGGCACTGG  
 GTCAGGCACTGGGGGCGGACTGGGTATATTCTGTGGGAAGCCGCCCAACCGTTGTGGACATCGGG  
 CCTACTCCCGGCTCCCGTGATAATCGAGCCCGTGGGGCTCCGAGCCCTCAATTGTGACTTGTAG  
 AGGATTCAGTATTATCAATGCGGGAGCTAGTCATCCTACATTCACGGGAACCGGGGATTCGAGGTAAC  
 TACTAGCACAGTTACCGACCCTGCTGTCCTCGACATAACTCCATCAGGAATTCTGTGCAGGTATCCAGC  
 TCTTCTTTCTCAACCCACTTTACACGGAGCCTGCTATCGTCGAGGCTCCGAAACTGGTGAAGTGCCG  
 GCCACGTAATTGTCTCTACGGCGACTTCCGGGAGTCATGGTTATGAAGAGATCCCAATGCAGACCTTTGC  
 TACCTCCGGTGGGAGTGGCACTGAACCCATCTCCAGCACACCACTGCCCGGGTGGCGGGTGGCCGGG  
 CCTAGACTTTACTCTAGGGCGAACCCAGGTCAGGTGACGGTACGGGATCCTGCTTTCTTGCCAGACCCGAG  
 ACTTGGTGACTTTGACAATCCTGTGTACGACCCCGAGGAAACCAATAATTTTTGAGCACCCTGATCTGCA  
 CGAGCCGCCAGACCCTGACTTTTTGGACATAGTGGCACTGCACCGACCGCACTGACGAGTCGGAGAGGA  
 ACCGTCCGGTTTTCCCGTTGGGGAGAGCGCCACATTGCGAACCCGAGTGGAAAGCAAATGGGGCAA  
 GAGTTTCACTTTTATCACGACATCTCCCCATTGGCACCGAAGAATTGGAATGGAACCCCTGTTGCCCTCC  
 AGCGAGCACCGACAACACAGATATGCTCTATGATGTGTATGCTGACAGTATGTGCTGCAACCGCTGCTC  
 GATGAGCTTCCAGCTGCCCGCGAGGCTCCTTGTCCCTCGCCGATACCGCTGTCAGTGTACACGCGCGA  
 GTACGCTCCGGGGCTCAACAACAGTACCCTGAGTTCGGGAATCGACGTGCCTGTGTACACCGGTCCAGA  
 TATTGAGCCGCAAATGTCGGGATGGGTCCACTCATCCAGTCGCCCCCTATTGCCCTCATCTGTC  
 TATATCTCGGGCGGATTACTACCTGATGCCATCATATGTTCTTTGGCCTAACGAAGAAAAGGGTGC  
 ATTATTTTTTCGCTGACGGCTTCGTTGCCGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101816 representing NP\_077121  
 Red=Cloning sites Green=Tags

MSVGDSYPNRLFIVDVLCPFVKPHLTPPLFYIVLIHFHFDTFVFFLYLLRFNKRATMSIRAKRRKRASPT  
 DLYRTRCKQAGTCPPDIIPRVEQNTLADKILKWGSLGVFFGGLGIGTGSSTGGRTGYIPVGSRPPTTVVDIG  
 PTPRPPVIEIPVGASEPSIVTLVEDSSIIINAGASHPTFTGTGGFEVTTSTVTDPAVLDITPSGTSVQVSS  
 SSFLNPLYTEPAIVEAPQTGEVSGHVLVSTATSGSHGYEIEIPMQTFATSGSGSPTPISSPLPGVRRVAG  
 PRLYSRANQQVQVRDPAFLARPADLVTFDNPVYDPEETIIFQHPDLHEPPDPDFLDIVALHRPALTSRRG  
 TVRFSRLGRRATLRTRSGKQIGARVHFYHDISPIGTEELEMEPLLPASTDNTDMLYDVYADSDVLQPLL  
 DELPAAPRGSLSLADTAVSATSASTLRGSTTVPLSSGIDVPVYTGPDIEPPNVPVGMGPLIPVAPSLPSSV  
 YIFGGDYLLMPSYVLWPKRRKRKVHYFFADGFVAA

**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_001352

ORF Size: 1572 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\\_001352.1](#), [NP\\_077121](#)

RefSeq ORF: 1572 bp

Locus ID: 1489230

MW: 56.5 kDa