

## Product datasheet for **VC101891**

### L2 (NC\_014956) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_014956) 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 VC101891 represents NCBI reference of YP\_004169296 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCTGAACGCCACGCAAAGGACAAAAAGAGACTCCGTGACCAATCTGTATAACCAAGTGCAAAATCA  
 GTGGATCATGTCCGGATGACGTAAGAATAAAGTAGAGGAAACCACCCTGGCCGATCGGCTTCTCAAGAT  
 CTTCAGCAGCCTTGTCTACTTTGGTGGACTGGCATTGGCACAGGCAAGGCATCGGGGATCAACAGGC  
 TATCGCCCGCTCGGGGCGGAAGCGGCAGGGTACCCGAGGAGAACAGTAATTAGGCCAATGTTGCTG  
 TGGACCCGCTCGGTCTACCGATATTGTCCCATTTGACTCTATCAGCCCCGTACAAGCAGTATTGTGCC  
 TCTCATTGAGGTGACTCCCGAGGTGACCTGAGCTGGAGGCTGGTGTGATTAACACGGTTTTGATATC  
 ACTACCGAACCTGACATTATCGAAATCAGCTCTGGCTCTAATACCCCGCTGTATCAACCATTGACGATA  
 CAGCCCGTGTCTGGAGGTGCAGCCAGCACAACTCCGCGAAGAGTTACTACTAGCAAGTTCACCAA  
 TCCGACATACATGACTGTGGTTACAGAAAGCACAATCACCCAGAAAGTTTCTCAACAGCTGGCGTTTTTC  
 ATTGACGGCGCACTCGGCGGTGACGTCGTAGGCGAGAATTCCTCTTGATACATTCAATGAGCCCTTGG  
 AGTTCGAGATTCTGGAGGAGCAGCAGCCTAAGACTTCCACACCCATTGAAAATGTGACGCGAGCCCTGGG  
 CCGCGCGCAGAGCTGTACAACAGACGGGTGCGGCAGGTGATGACTAGGAACCTAATTTCTGACCCGG  
 GCACCTCAAGCTGTCAAATTTGTCTTTGAGAACCCCGATTACCAACAGTGTGACCCTGACTTTCGAGC  
 AGGATCTCAATCAGATCGCCACCGCAGCACCAGATCCTGACTTTGCAGATATAATCAAGCTGAAAGGCC  
 ACGCTTTTCTGAGACCGCGAAGGCACAGTTAGGTTGAGCAGGCTTGGACACCGGTACCATAAGGACG  
 AGTCCGGCACCCAGATAGGCGAGCGGTGCACTTCTACTACGACCTGTCCAAAATCGAGAACAGCGAAG  
 CCATCGAGCTGTCCGTCTGGGTGAGCACTCAGGAGACGCCACCTTTATCAACCCGCTGGCGGAATCAAC  
 CTTTGTGACGCCGAGAACAACAATGCCCCTATCTTCCCGAAGAAGAACTGGTGGATGAAATAACA  
 GAAGACTTCTCAAACCTCCACGTGGTCTGATTAATGGCTCCAGAAGAAGCACAATGAACGTTCCACGC  
 TTCCTCCCGGCTTGCATTGCGGTTTACGTGGATGATTACGGAGAAGGACTCTTCGTCAGTACCCACA  
 GGGACGCGAGCTGCCGCTATCATTACCCTGGCAACGCTGGCCGACCTTCTATTCTCATTGATGATTTT  
 GCCTCAAACGATTTTGCCTGCACCCATCCCTGAATCGCAAGAAGAGAAAGCGAAAGCAGGTTCACTTCC  
 TT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101891 representing YP\_004169296  
 Red=Cloning sites Green=Tags

MSERPRKRTKRDSVTNL YNQCKISGSCPDDVKNKVEETLADRLLKIFSSLVYFGGLGIGTGKIGIGSTG  
 YRPLGGGSGRVTAGGTVIRPNVAVDPLGPTDIVPIDSISPGTSSIVPLIEVTPEVVPELEAGVINTGFDI  
 TTEPDIIEISSGSNTPAVSTIDDTAAVLEVQPSTTTPRRVTTSKFTNPTYMTVVTESTITPEVSSTAGVF  
 IDGALGGDVVGENIPLDTFNEPLEFEILEEQPKTSTPIENVTRALGRARELYNRRVRQVMTRNPNFLTR  
 APQAVQVFVFNPAFTNDVLTTFEQDLNQIATAAPDPDFADIIKLERPRFSETAEGTVRLSRLGTRGTIRT  
 RSGTQIGERVHFYYDLSKIENSEAIELSVLGEHSGDATFINPLAESTFVDAENTNMPAIFPEEELVDEIT  
 EDFSNSHVVLINGSRRSTMNVPTLPPGVALRVYVDDYGEGLFVSHPQGRELPAIITPGNAGRPSILIDDF  
 ASNDFVLHPSLNRRKKRKRKQVHFL

**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_014956

ORF Size: 1542 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\\_014956.1, YP\\_004169296](#)

RefSeq ORF: 1542 bp

Locus ID: 10146753

MW: 55.9 kDa