

## Product datasheet for **VC101969**

### L2 (NC\_001691) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001691) 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 VC101969 represents NCBI reference of NP\_043428 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGAGGCGGAGGAAGAGGGCATCCCCAACCGACCTGTACCGAGTTGTCTGCAGGGAGGCGATTGTA  
 TCCCCGATGTTTCAGAATAAGTTCGAGGGCAACACCATCGCAGATTGGCTTCTCAAATCTTCGGGGGACT  
 GGTGTACTTCGGTAACCTGGGCATAGGCACCGGTAGGGGGACCGGAGGGACGTTTGGATACAGGCCATTT  
 GGCGCTCCCGGCAGCGGCCGCCACCCAGGAGCTCCCCATTGCTAGACCCAACGTTGTCATAGATCCCT  
 TGGGTCCCGCCCAATTGTCCCAGTCGACCCCTCTGCGGTAGTATCGTACCTCTGTAGAGGGAGCTCC  
 TGATGTCGGTTTTCGCGCCCCGACGCTGGACCTGCCCGGGGGAAACAGACATCGAACTGTATACGATA  
 ACAACAGCACGACAGAGCTCGGGGCCGTGGTGGCGGGCAACCGTTACATCTAACGAGGAGTTTGAAG  
 TCGCGGTTCATCGACGCTCAGCCAATCGCCCATATCCCAAACAGTTCTGTACGACTCAACCATTGCCGC  
 CACTTTCGAGACTCAAATCAATCCCTTTAATAATCCAGACATTAATAATGCAACGTGCTGGTTGATCCC  
 TCTTTCGCGGAGACACCGTAGGCGACTACTTCTACGAAGAAATCCCTCTGGAAAGGCTCGATATCCAGA  
 CCTTCGATATATTGGAGCCACCCACCGAATCTACACCTACCCAGCTGGTAACCGGTTCTGTAGCCGCGC  
 CCGGGATTTGTACAGCCGCTTCGTGGCCAGCAGCCATTAGCGAGCCTGACTTCCTTCCCAACCTAGT  
 CGCCTTGTACAGTTTGAATATCGGAATCCCGCATTGACCCGGACGTGAGCCTGTACTTCGAACGAGACC  
 TGGAGGTCTGAGGGCAGCCCCACTGCAGGAATTCGCGGATGTAGTGTACCTCGGAGACCGAGAGTGTC  
 TTCAACCTCAGAAGGAACCATCCGGGTGTCAGCCTGGTACCCGAGCTGCTCTCACTACACGGTCCGGA  
 TTGAGTGTGGACCTCAGGTGCATTTTTATATGGATCTGAGCGACATCCACCTGAAGACAGTATCGAGC  
 TCCATACGCTGAACGTGACGCCTCAAACCTCTACCATCGTCGACGATATCCTTGCTACGACAACATTCTGA  
 TGATCCAGCCAATAGCCTGTTCACTCAATTCAATGAGGATGTTCTCACAGACGACGTGGAACATAATTTT  
 ACTGAAAGTACCTGGTATCCCGCAACAGACGAAGAAAACGATACCGCAATCAACATTATTAACCTTC  
 GCAACATTCTCTGACCGTGGGGATGAACTCAGGCGATATCTCCACAACATTGAGCGATTACAACATCCT  
 GGATGCATCATTGATCGTGAAGAGCAACGTTTCTGAGCAGCCTCTTTTGTCTCGATTACTCCGACTAC  
 GATCTTACCCGGCCTGCTGCCAAAAGAAGGCGGATTGATTACTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101969 representing NP\_043428  
 Red=Cloning sites Green=Tags

MLRRRKRASPTDLYRSLQGGDCIPDVQNKFEENTADWLLKIFGGLVYFGNLGIGTGRTGGTFGYRPF  
 GAPGSGRPTQELPIARPVVIDPLGPAPIVPVDPASAASIVPLVEGAPDVGFAPDAGPAAGGTDIELYTI  
 TNSTTDVAVGGGPTVTSNEEFVAVIDAQPIAPYKQLLYDSTIAATFETQINPFINPDINNVLVDP  
 SFAGDVTVDYFYEEIPLERLDIQTDFDILEPPTSTPTQLGNRFVSRARDLYSRFVAQQPISEPDFLSQPS  
 RLVQFVEYRNPAFDPDVSIFYERDLEGLRAAPLQEFADVYYLGRPRVSSTSEGTIRVSRGTGTRAAATTRSG  
 LSVGPQVHFYMDLSDIPPEDSIELHTLVNTPQTSTIVDDILATTTFFDDPANSLFTQFNEDVLTDDVEHNF  
 TESHVLPATDEENDTAINIINLRNIPLTVGMNSGDI STLSDYNILDASLIVKSNVSEQLFVLVDSYD  
 DLHPGLLPKRRRIDYF

**TR**TRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_001691

ORF Size: 1518 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\\_001691.1, NP\\_043428](#)

RefSeq ORF: 1518 bp

Locus ID: 1403634

MW: 55.2 kDa