

## Product datasheet for **VC100338**

### L2 (NC\_011203) Virus Tagged ORF Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | L2 (NC_011203) 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 VC100338 represents NCBI reference of YP\_002213774 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**C

ATGCGCCGGAGAGCCGTGCTTGGGGCGCAGTGGTGTATCCCGAAGGTCCTCCTCCGAGCTACGAATCAG  
TCATGCAGCAACAGGCGGCCATGATTCAACCTCCCCTGGAGGCACCTTTCGTACCCACAGTATCTGGC  
TCCGACAGAGGGCAGAACTCTATCAGATACAGCGAGCTCTCTCTTTACGATACGACCAAGCTCTAC  
CTGGTGGATAATAAGTCTGCCGACATCGCTTCTTAATTACCAGAACGATCACTCTAATTTCTGACCA  
CAGTAGTGCAGAACAAATGATTTCACTCCAACCGAGGCCTACACAGACTATCAACTTCGACGAGAGATC  
AAGATGGGGAGGTCAGCTCAAACCATCATGCATACCAATATGCCGAATGTTAACGAATACATGTTTAGT  
AACAAATTCAAGGCTAGGGTGTGGTGTCCGAAAGGCTCCAGAGGGCGTGACAGTAAACGATACCTATG  
ATCATAAGGAGGATATTCTCAAGTACGAATGGTTCGAATTCATACTGCCAGAAGGGAATTTAGCGCTAC  
AATGACTATTGACCTTATGAATAACGCAATCATTGACAATCTTTGAAATCGGTAGGCAGAACGGTGT  
CTCGAAAGCGACATTGGAGTGAAATTTGATACGAGGAATTTAGACTCGGGTGGGATCCGAAACCAAGT  
TGATAATGCCAGGAGTATATACATATGAGGCATTCACCCAGACATTGTGCTCCTGCCCGCTGCCGGTGT  
TGACTTCACAGAAAGTCGCTGAGCAATTTGCTGGGTATTAGGAAACGCCATCCTTTCCAAGAGGGCTTT  
AAGATAATGTACGAAGATCTTGAAGGAGGAATATCCAGCGCTCCTCGACGTTACCGCTACGAGGAAT  
CTAAAAAGGATACCACCACAGAGACAACCACACTGGCAGTGGCGGAAGAGACATCCGAGGATGACGACAT  
CACCCGAGGAGACACATATACAGAAAAGCAGAAGCGGGAGGCTGCCGCCCGGAAGTGAAGAAGGAG  
CTCAAAATACAGCCTTTGGAGAAAAGACAGTAAGAGCCGAAGTTACAACGTGCTCGAGGATAAGATCAACA  
CGGCTTATCGCTCCTGGTATCTGTCTTATAATTATGGTAATCCTGAGAAGGGTATCAGAAGTTGGACCCT  
TTTGACGACTTCTGACGTACCTGCGGCCGAGCAAGTGTACTGGTCTTCTTCTGACATGATGCAGGAC  
CCGGTGACATTTTCGAGCACAAGGCAGGTTAACTACCCGGTCTGGGAGCAGAACTCATGCCTGTGT  
TCTCTAAGTCTTCTATAACGAACAGGCTGTGTACTCTCAGCAGCTCAGGCAGGCTACTTCACTGACACA  
CGTCTTTAACAGGTTCCAGAAAACCAGATTCTCATCAGGCCCTGCCCCACTATCACCACAGTGTCT  
GAGAATGTCCCTGCATTGACCGATCACGGTACCCTCCCCTTAGGAGCTCTATCAGAGGGTCCAGCGGG  
TGACCGTGACCGACGCTAGGAGGCGGACATGCCCTATGTGTATAAAGCCCTGGGAATCGTCCGCCCGC  
AGTTCTCAGTAGCAGGACCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100338 representing YP\_002213774

Red=Cloning sites Green=Tags

MRRRAVLGGAVVYPEGPPPSYESVMQQQAAMIQPPLEAPFVPPRYLAPTEGRNSIRYSELSPLYDITTKLY  
LVDNKSADIASLNYQNDHSNFLTIVVQNNDFTPTEASTQTINFDERSRWGGQLKTIMHTNMPNVNEYMFS  
NKFARVMVSRKAPEGVTVNDTYDHKEDILKYEFWFILPEGNFSATMTIDL MNNAIIDNYLEIGRQNGV  
LESIDIGVKFDTRNFRLLGWDPETKLIMPVYTYEAFHPDIVLLPGCGVDFTESRLSNLLGIRKRHPFQEGF  
KIMYEDLEGGNIPALLDVTAYEESKDDTTTETTLAVAETSEDDDITRGGDYITEKQKREAAAAEVKKE  
LKIQPLEKDSKRSYNVLEDKINTAYRSWYLSYNYGNPEKGIRSWTLLTSDVTCGAEQVYWSLPDMMQD  
PVTFRSTRQVNNYPVGAELMPVFSKSFYNEQAVYSQQLRQATSLTHVFNRFPENQILIRPPAPTITTVS  
ENVPALTDHGTLPLRSSIRGVQRVTVTDARRRTPYVYKALGIVAPRVLSSRTF

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_011203

ORF Size: 1632 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\\_011203.1, YP\\_002213774](#)

RefSeq ORF: 1632 bp

Locus ID: 6870522

MW: 61.8 kDa