

## Product datasheet for **VC100471**

### L2 (NC\_003266) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_003266) 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 VC100471 represents NCBI reference of YP\_068027 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**C

ATGATGAGCGGGCATACCCGGAAGGCCACCTCCCTCTTACGAATCCGTTATGCAGCAGGCTATGGCCG  
CCGCTGCAGCCATGCAGCCCCCTGGAAGCCCCTTATGTTCCCCTCGATACCTTGCCCTACAGAGGG  
CAGAACTCTATCAGGACTCCGAGCTGGCCCCACTCTACGATACAACACTAGACTCTATCTGTGGACAAT  
AAGAGTGCCGATATAGCCAGTCTCAACTATCAGAACGACCATTCAAACCTCCTGACTACAGTGGTGAG  
ATAACGACTTTACTCCGACAGAGGCCAGCACCCAAACAATCAATTTGACGAGAGATCTCGCTGGGGGG  
GCAGCTGAAAACCATTATGCACACCAATATGCCGAACGTGAATGAATTCATGTACAGTAATAAATTAAG  
GCGAGAGTGATGGTCAGTCGGAAGACCCCTAACGGCGTACTGTCGGGGATGACTACGACGGCTCTCAGG  
ACGAGCTGAAGTACGAATGGGTGGAGTTCGAGCTTCCAGAAGGAACTTCAGCGTTACAATGACCATTGA  
CCTGATGAAACAATGCAATTATCGATAATTACCTGGCCGTCGGCAGGCAGAATGGTGTGCTGGAGTCCGAT  
ATTGGCGTGAAGTTCGACACAAGAAATTCAGACTCGGATGGGACCCCGTGACCGAACTGGTGTGACCCG  
GGTGTACACCAATGAAGCATTTACCCCGACATCGTGCTTTTGGCAGGTTGTGGCGTGGATTTTACCGA  
GTCCAGACTCTCCAATATGCTGGCATAACGAAAGCGGCAACCTTTTTCAGGAGGGCTTTCAAATCATGTAC  
GAAGATCTCGATGGGGCAATATCCGGCTCTGCTTGACGTGGAGGCTTACGAGAAATCTAAGGAAGAA  
CCGTTGCTGCATCCACTGCGGCTGTGCTACAGCTAGCACTGAGGTGAGGGGGGATAATTTCCGCTCAGC  
CGCAGCAGTGGCCGCGGCTAAGGCAGACGAAACCGAGTCTAAAAAGTATGATCCAGCCGGTAGAGAAAGAT  
TCAAAGGACCGCTCTACAATGCTCTGAGCGATAAAAAGAATACAGCATATAGGAGCTGGTACCTGGCAT  
ACAATTATGGCGATCACGAAAAAGGTGTGCGGTATGGACTCTGCTGACGACCTCCGACGTAACCTGCGG  
AGTTGAACAGGTGATTGGTCACTCCAGATATGATGCAGGATCCTGTGACTTTCCGCTCCACACGGCAG  
GTTTCCAATATCCCGTAGTGGGCGCCGAAGTATGCCCCTGTATAGCAAGAGCTTTTTTAAATGAACAGG  
CAGTCTACTCCCAACAGCTTAGGGCTTTTACTTCACTTACACACGTATTCAATCGCTTTCCCGAAAACCA  
GATCCTTGTACGACCCCGAGCCCACTATCACAACCGTGAAGGAAAATGTACCGGCTCTGACTGACCAC  
GGGACGCTTCCACTTAGGTATCTATCCGAGCGTGCAGCGGGTACCCTGACCGACGCCCGACGGAGGA  
CCTGTCCATATGTGTACAAGCCCTGGGATTGTGGCCCTAGAGTATTGAGTTCAGGACATTT

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100471 representing YP\_068027

Red=Cloning sites Green=Tags

MMRRAYPEGPPPSYESVMQQAMAAAAAMQPPEAPYVPPRYLAPTEGRNSIRYSELAPLYDTRRLYLVDN  
KSADIASLNYQNDHSNFLTTVVQNNDFTPTEASTQTINFDESRWGGQLKTIMHTNMPNVNEFMYSNKF  
ARVMVSRKTPNGVTVDGDDYDGSQDELKYEWFELPEGNF SVTMTIDL MNNAIIDNYLAVGRQNGVLESD  
IGVKFDRNFRWGDPVTEL VMPGVYTNFAHPDIVLLPGCGVDFTESRLSNMLGIRKRQPFQEGFQIMY  
EDLDGGNIPALLDVEAYEKSKEESVAASTAAVATASTEVRGDNFASAAVAAAKADETESKIVIQVVEKD  
SKDRSYNVLSDKKNTAYRSWLYAYNYGDHEKGVRSWTLTTSVDVTCGVEQVYWSLPDMMQDPVTFRSTRQ  
VSNYPVGAELMPVYSKFFNEQAVYSQQLRAFTSLTHVFNRFPENQILVRPPAPITTTVSENPALTDH  
GTLPLRSSIRGVQRVTVDARRRTPYVYKALGIVAPRVLSSRTF

**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_003266

ORF Size: 1605 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\\_003266.2, YP\\_068027](#)

RefSeq ORF: 1605 bp

Locus ID: 2958475

MW: 60.0 kDa