

## Product datasheet for **VC100511**

### L2 (NC\_001454) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001454) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100511 represents NCBI reference of NP_040859 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTAAGCGGAAGTTCAAAGAAGAGTTGCTCGAGGCCCTTGGTACCCGAAATCTATGGACCAGCCGCAG  
ATGTGAAGCCTGACATCAAGCCCAGAGTGTGAAACGGGTGAAAAAGAGGGAAAAGAGGAGGAAAAGGA  
GGAGGCCGGGCTGCTTGATGACGGCGTCGAGTTCGTCAGATCTTTGCACCTAGAAGGCCGGTGCAGTGG  
CGCGGAAGAAAGGTGCAGAGGGTCTCCGCCCTGGTACCACGATAGTGTACTCCGGGCGAGAGGAGCG  
TGACCAGGGCACTTAAGAGGGACTATGACGAAGTGTATGCAGATGAAGACATTCTCGAACAAAGCTGCACA  
GCAAGTCGGGAATTCGCTTATGAAAAAGAGGGAGGTACGGCGAGCTTGGCCTGCTCCTCGATCAGAGC  
AACCCACCCCTAGCCTGAAACCTGCAACCGCCAGCAGATCCTGCCAGTCACCGAAATCAAGCGCGGGG  
TGAAGAGAGAGAACAAGGATGAACTTCAACCAACCATGCAGCTCATGGTCCCAAACGCCAGAACTGGA  
GGAAGTCCTCGAAAACATGAAAGTTGATCCCTCAGTCGAGCCTGAAGTCAAGGTCAGACCTATCAAAGAG  
ATCGGACCCGGCCTGGGCGTCAAACGGTAGACATACAGATCCCTGTACGGGCCTCTAGCAGTACCGTGA  
GCACTGCCGTGGAAGCCATGAAACCCAACCCGAACTGCCGAGGCAGTAGCCAGGGCTGTGGCTGCAAC  
CAGAGAGATGGGCTGCAAACCGACCCTTGGTATGAGTTCGTAGCTCCCCTCCAGGCCAGGTCCCGC  
AAGTACACAACGGCAAATCTATACTGCCGAGTATGCTCTGCACCTTCTATTACCCCGACACCGGGCT  
ATCGCGGAACGACCTTTAAACCTCACGAACAGGAGTACCAGAAGGCGCCGAGCGTACAGCGCAGGAG  
TAGGAGGACAGCCCAATCAGCGTGAGGAGAGTCACTCGCAGAGGACGGACACTGACCCTTCCAACCGCT  
CGGTACCACCCCTCCATACTGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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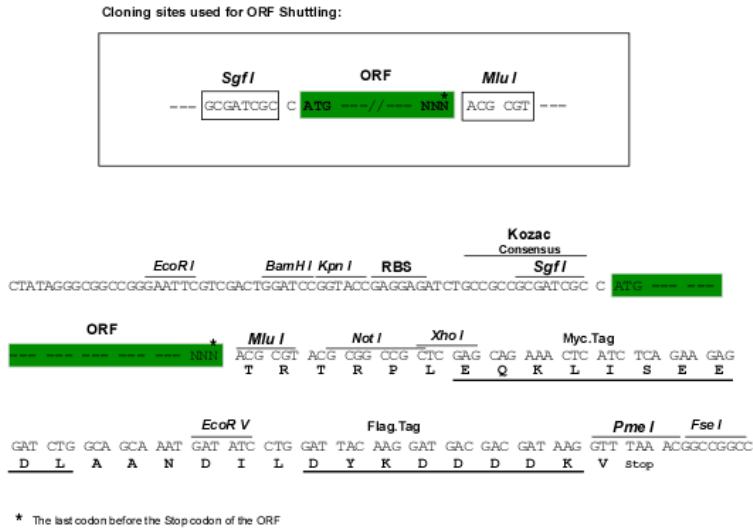
**Protein Sequence:** >VC100511 representing NP\_040859  
Red=Cloning sites Green=Tags

MSKRKFKEELLEALVPEIYGPAADV KPDIKPRVLKRVKKREKKEEKEEAGLLDDGVEFVRSFAPRRRVQW  
 RGRKVQRVLRPGTTVVFPGERSVTRALKRDYDEVYADEDILEQAAQQVGEFAYGKRGRYGLGLLLDQS  
 NPTPSLKPATAAQILPVTEIKRGVKRENKDELQPTMQLMVPKRQKLEEVLENMKVDPSVEPEVKVRPIKE  
 IGPGLVQTVDIQIPVRASSSTVSTAVEAMETQPELPEAVARAVAATREMLQTDWPWYEFVAPTSRPRSR  
 KYTTANSILPEYALHPSITPTPGYRGTTFKPSRTRSTRRRRSVRRRSRRTAPISVRRVTRRGRTLTPNA  
 RYHPSILV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001454

**ORF Size:** 1074 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\\_001454.1](#), [NP\\_040859](#)

**RefSeq ORF:** 1074 bp

**Locus ID:** 2715931

**MW:** 40.7 kDa