

Product datasheet for **VC100509**

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)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC100509 represents NCBI reference of NP_040857 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGGCGGAGTTGGCGTGCCTCCAGTCATGGCCTACGCTGAAGGACCTCCACCAAGCTACGAATCTG
 TTATGGAGACCGCAGATCTCCCCGTACCTTGCAAGCCCTGCATGTCCCCCTCGGTATCTCGGGCTAC
 CGAAGGGAGAACTCTATTTCGATATCCGAACCTGCCCCCTCTATGATACTACACGGGTCTACTTGGTG
 GACAACAATCCGCCGATATTGCATCCCTGAATTACCAGAATGACCATTCCAATTTCCAACTACAGTTG
 TTCAGAACATGATTTTACTCCAACCGAGGCGGTACCCAGACCATCACTTCGATGACCCTCTCGGTG
 GGGGGCGACCTGAAAACAATTCTGAGGACAAACATGCCGAACATTAATGAATTTATGAGACCAACAAG
 TTTAGAGCCCGGTGATGGTTGAGAAGGTCAATCGCAAGACTAACGCACCAAGGTACGAATGGTTGGAAT
 TTACACTCCCGAGGGCAACTATAGCGAACTATGACCATCGACCTGATGAACAACGCAATCGTGGATAA
 TTATCTTGCTGTGGGAAGACAGAATGGGGTTCTGGAATCAGATATTGGCGTGAAATTTGACACCAGGAAT
 TTTGACTCGGTTGGGATCCCGTTACTAAGCTGGTGTGACGAGCGGTGTACACAAATGAGGCTTTTCATC
 CCGATATTGACTTCTGCCAGGCTGCGGTGTAGATTTACCCAGAGCCGCTGAACAACCTGCTGGGCAT
 TAGAAAGAGGATGCCTTTTCAGAAAGGTTTCCAATCATGTATGAGGATTTGGAGGGCGGAAACATCCCA
 GCCCTGCTGGACGTTGAGAAATACGAAGCGAGTATTAAGGAAGCTCAGGAAATACGCGGCCGCTGACTTCA
 AGCCAAACCCCGAGACCTCGAGATTGTCCCGTTGAGAAAGTAGCAAGGAGAGGTCATACAATTTGCT
 GGAAGGGGACAAGAACAATACTGCATACCGCAGTTGGTTCTGGCTTATAATTACGGTGTGCCAAAAG
 GGCGTCAAGTCTTGACTCTGCTGACGACAACAGATGTGACATGTGGATCTCAGCAAGTATTGGTCCC
 TGCCCGATATGATGCAAGACCCTGTACATTCAGGCCTTCAACCCAAGTGAGCAATTACCCTGTTGTCGG
 CGTGGAACCTCGCCAGTTCATGCAAAATCCTTCTACAATGAGCAGGCCGTTTATTTCCAGCTCATCAGG
 CAGTCTACGGCTCTCACACATATCTTTAATAGGTTCCCTGAAAACCAGATTCTGGTTCGGCCACCAGCAC
 CCACCATACCACCGTCTCCGAAATGTGCCAGCTCTGACCGACCATGGTACACTTCCACTGCGCTCTTC
 CATTAGCGGGGTGCAGAGAGTACGATTACTGACGCTCGGCGAAGGACTTGTCCCTACGTACACAAGGCC
 CTGGGCATTGTCGCCCAAAAGTCTCAGTTCGCCAACCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100509 representing NP_040857
 Red=Cloning sites Green=Tags

MRRAVGVPPVMAYAEGPPPSYESVMETADLPATLQALHVPPRYLGPTEGRNSIRYSELAPLYDTRVYLV
 DNKSADIASLNYQNDHSNFQTTVVQNNDFTPTEAGTQTINFDDRSRWGGDLKTIILRTNMPNINEFMSTNK
 FRARVMVEKVNRTNAPRYEWFETLPEGNYSETMTIDL MNNAIVDNYLAVGRQNGVLESDIGVKFDTRN
 FRLGWDPVTKLVMPGVYNEAFHPDIVLLPGCGVDFQTQSRLNLLGIRKMPFQKGFQIMYEDLEGGNIP
 ALLDVEKYEASIKEAQEIRGADFKPNQDLEIVPEKDSKERSYNLLEGDKNNTAYRSWFLAYNYGDAEK
 GVKSWTLLTTTDDVTCGSQQVYWSLPDMMQDPVTFRPSTQVSNYPVVGVELLPVHAKSFYNEQAVYSQLIR
 QSTALTHIFNRFPENQILVRPPAPTITTVSENPALTDHGTLPLRSSISGVQRVITDARRRRCYPYVHKA
 LGIVAPKVLSSRTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001454

ORF Size: 1512 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_040857](#)

RefSeq ORF: 1512 bp

Locus ID: 2715931

MW: 56.9 kDa