

Product datasheet for **VC101898**

L2 (NC_014835) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_014835) 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 VC101898 represents NCBI reference of YP_004111314 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCAAAAAGCAGAAGGAAACGCGCCGACCCAGATCAGCTGTATCGGCATTGTCTCCAGGGCGGCG
 ATTGTATCCCGATGTGCAAAATAAGTACGAACAGAACACCTGGGCAGACGTGCTGCTGAAAGTCTTCGG
 GTCACTGCTTTATTTTCGGTAACCTTGGGATCGGGACTGGTAGGGGGTACGGGGTACCTTGGGTACAAG
 CCCCTGGGTACAACGCGCATCGGCCAAGCTGCCCGATAACCCCGCTCGCCCTCCATACTCATTGACG
 CCGTCGGGCTCCTGATATTATTCAGTGGATGCCGGTGCCTCCGCTGTCGTACCCCTGTCTGAGGGCAC
 AATAGATACCGGCTCGTGGCCCGGATGCTGGACCTGGTGTGGGAGTGGACGAAGTGGAGTGTACACC
 ATCAGTGACCAACCAGTGTGTTGGAGGGGTGCAACCTACGCTACAGTGGTTCCACTGAGGAGGGTG
 CCGTCGGGTTCATCGATGCACAGCTGTGCCAGAACGGCCGTACAAGTCTATTTTCGATCCTAATCTAC
 TGCAACGTCAACACTCCACATATTCGCCGCCCTTCTATCACCTCCACAGATGTGAATATTTTTGTGGAT
 AGCTTTAGCAGTCAAGTCAATGGTGGCTTCGATGAGATCCCTCCAAAGACTTGACTACTCCGAATTCG
 ACATCGAGGATATCCCAAGCAGGACACCCCGAGCAGAAGCTGGAAAAGGTGGTAAAGTAGAGCAAAATC
 ATACTACAACAAATACATTAACAGGTTCCGGTAACCTCTCAACAATCTTGAACAGCCCTCCTCCTTG
 GTGCAGTTTGTAGTTTGTAGTCCAGCTTTTACCTGACGTTACAATTGAGTTTGTAGCGGACCTGGCTG
 AAGTTCAGGCCAGTCCAGACGCCGACTTCGAGATATCACTAAGCTCCACCGGCCAGCTTAACGTGGT
 GGAGGGCGTAGTCCGCTCAGCAGACTGGGAGAAACCGGCACAATCTCTACGCGGAGTGGACCGTAATT
 GGCCAGCGGGTGCATTTACCACGACATCTCTCCATTGACGAGTGGCCGAGGACATTGAAATGCAGGTCT
 TCGGGGAGTTCCAGGACTGAACACCGTTGTGGACGATATACTTGCAACAAGTGGTGGATCTGAACAA
 TGCTACAGACCTGGGTGAGGATGCCCTGCTTGATACTTACGCGGAGGACTTCACTAACACCCATCTGGTG
 ATCAATATCACCGACGAGACCACGGACACACTAGTTTTCCACCATTTCCACGGAATATTCTGTCAACG
 TGCTCACCCACAGCTGACAAATGACATCATCGTGTCTACCCGAACGACAACGCCGTGATCAACTCCTT
 TACTCCTAGCTTGACCCCGTGGCGCCAGCTACATCCAGACTACTATGCAGATTTCTACCTGTATCCA
 AGTTTCTGCCCAAGAAGAGAAGACGCATTGATATCGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101898 representing YP_004111314
 Red=Cloning sites Green=Tags

METKSRKRAAPDQLYRHCLQGGDCIPDVQNKYEQNTWADVLLKVFGLLYFGNLGIGTGRGSGSLGYK
 PLGTTRIGQAAPITPARPSILIDAVGPPDIIPVDAGAPAVVPLSEGTIDTGLVAPDAGPGVGVDELELYT
 ISDPTSDVGGVQPTPTVVSTEEGAVAVIDAQPVPERPVQVYFDPNPTATSTLHIFPAPSIITSDVNI FVD
 SFSSQVIGGFDEIPLQRLDYSEFDIEDIPSTSTPSQKLEKVVSRKSYNKYIKQVPVTSQQFLKQPSSL
 VQFEFENPAFPDPVTIEFERDLAEVQASPDADFADITKLRPQLNVVEGVVRSRLGETGTISTRSGTVI
 GQRVHFYHDISSIAVAEDIEMQVFGEFPLNTVVDDILATTVVDLNNATDLGEDALLDITYGEDFTNHLV
 INITDETDTLSFPTISTEYSVNVLTPQLTNDIIVSYPNDAVINSFTPSLTPVAPSYIPDYADFVLYP
 SFLPKRRRIDIV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_014835

ORF Size: 1509 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_014835.1, YP_004111314](#)

RefSeq ORF: 1509 bp

Locus ID: 10067316

MW: 54.6 kDa