

Product datasheet for **VC101917**

L2 (NC_001586) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001586) 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 VC101917 represents NCBI reference of NP_041805 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCCACATCGAAGCAGGAGACGAAAGAGAGCGAGTCTACTCAGCTCTACCAGACTTGCAAAGCAT
CTGGGACCTGTCCCCCTGACGTGATACCTAAAATAGAGGGTCCGACCTGGGCCGATCAGATTTTGAAGTG
GGGATCTACGGGTGATTTTTTGGCGGATTGGGTATAGGAACCGGGGCCGGATCTGGCGGTAGAACAGGC
TATGTGCCAATAGGAAGTACACCCAGTCTGGCCGAACCTGGCCCCGTATACGCCACCAGTCTGTGG
TGGATAACAATTGGGCCGACCGATCCTAGCGTGATTTCTCTGTTGGAGGAGAGCGTGTGATTGATAGCAG
TATTCCTGTTCCGACGGACACATCCACGGAGGCTTTAACATCACCAGCTCTGCCTCAGGCCCTCTCC
ACACCCGACGTCCTTGATACAGCCACCCACTAATAACAATCAGAGTCGCTAGCACCCTCACACAATC
CTGTGATTCGATCCGTTTACGTTGCGCCGTCCTCCCTGTTGAGGGTAACGGCCGCTTCTGACGAG
TCAACCTACTATTGCCCCACAGTTACGAGGAGATCCCATGGATACATTGCTGTCAGTACAGACACC
AGTAATACTGTGACTTCAACTCCTATTCGGTCTAGACCTACAATGCGCTCGGACTGTACACTCGAG
TCACTCAACAGCGCCCGTAGCAACCACTACCTTCTCACATCTCCGAGCGGCTGGTGACCTACGATAA
TCCAGCTTATGAGGGTCTGCCGAAGGGACGCTTGAGTTTGGATCCTACAATCCATGAGGCTCCAGAC
AGCGATTTTATGGACATCATAGCCCTGCATCGGCCGCTCTGTCTGCTCGCCAGGGTACTGTACGAGTGT
CTCGAATCGGCCAACGAGCCTCCCTGCAGACTCGGAGTGGAGCCCGCATTGGAAGCAGGGTCCATTTTT
CCACGACATTAGCCCAATAACTCGCCCTTCTGAGGCCATAGAGCTCCAACCTTTGGGCTCTTCTTACC
GCTGTGCAACGACCGCTTCCAGCGCCATCAATGATGGACTGTTGATGTCTATGTGGACCCGATTC
CCCCATCCCATGCCCTTCCACCCTGCGAAGCCACACACGTAAGCACTGTATCTCTCACTAGTCTGGG
TTCGTTCCGGCCAGACCGCCAATACACAGTGCCTTTTCCCTGCCTACAAACATTAACGTAGGCCCG
GACCTGTACCGCCTGAAAGCCCCCTTCACTCCACAAGGCCTGTGTACCCAGCTTCGATAGTGTTA
TGGTGCTGGGGTGGGACTTCATCTTGATCCGTCCTATATGTGGAGAAAGCGCAGAAAACAGTACCTTA
CTTTTTTGCCGACGTGCGGGTGGCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101917 representing NP_041805

Red=Cloning sites Green=Tags

MPPHRRRRKRASATQLYQTKASGTCPPDVIPKIEGRTWADQILKWGSTGVFFGGLGIGTGAGSGGRTG
YVPIGTRPPVVAEPGPAIRPPVVVDITGPTDPSVISLLEESAVIDSSIPVPTDTSHGFFNITSSASGPSS
TPAVLDISPPTNIRVASTTSHNPVYSDPFTLRPSLPVEGNRLLTSHPTIAPHSEYEEIPMDTFVVDSTDT
SNTVTSTPIPGRPRTMRLGLYTRVTQQRPVATTTFLTSPERLVTYDNPAYEGPAEGTLEFEHPTIHEAPD
SDFMDIIALHRPVLSARQGTVRVSRIGQRASLQTRSGARIGSRVHFFHDISPITRPSAEIQLPLGSST
AVSTTASSAINDGLFDVYVDPDIPPSHALPPLRSPTHVSTVSLTSLGSVPAQTANTTVPLSLPTNINVG
DLSPPEPPFISTRPVSPSFDVSVMLGWDFILHPSYMRKRRKPVYFFADVRAA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001586

ORF Size: 1428 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_001586.1](#), [NP_041805](#)

RefSeq ORF: 1428 bp

Locus ID: 1489427

MW: 50.8 kDa