

Product datasheet for **VC101823**

L2 (NC_001676) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001676) 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 VC101823 represents NCBI reference of NP_043293 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAAAGCTAGAGCTCCCGCCGGAAGCGAGCCAGCCACCCAATTGTACCAGACTTGTAAAGGCAT
 CAGGAACATGTCCATCTGATGTATTCTAAGGTGGAGGGAACCAATCGCTGACCAGATTCTGCGCTG
 GGGCAGTATGGGCGTGTTCGCGGGCTCGGCATCGGCACAGGCAGCGGCACAGGCGGCAGGACAGGA
 TACATACCGCTGGGCCGCCGAGCACTACTCTGGAACCTGGGCCACCCGTAAGACCAGCAGGCGCCGTGG
 AGACAGTAGCACCTCCGACCAAGTATCGTGTCTTGTGCGAGGAGAGTAGCGTGGTAGACGTCGGAGC
 CCCCACCCGACAATTCAGCCAGGGCGGCTTCGAGATCGCTACCAGCTCAGACGCCACGCCCGCTATC
 TTGGACGTGACCTCCACAACAACCTCCGATTCGCGTGAGTATTACAAGCCATGATAACCCCATTTATACC
 AGCCAGTCTGCTGGATCCCCCCCACCTGTGCAGATGGATGGACGGGTGCTTGTGTCCACTTCCACCTT
 GCAGAGCTCTACGGCCGAAAACATCCCAATGGATACCTTTATTATCATGCAAGATCACATCGGCACCACC
 ACTTCAACCCCAATACCCAGACCCCCAGCACGGCTCGCCTTGGGCTTTATTCTAGGGCTCTCCAGCAGG
 TACCCGTCAGGACCCTGCGTTCCTCCAGCAGCCCTATCCCTCATCACCTACGACAACCCCGTGTACGA
 GGGGAACCCCTGACGTCACCTCTGCATTTTGGAGCAGCCTACCATTATAATGCGCCTGATCCGGCCTCATG
 GACATATTTGCGCTGCATAGACCCGCACTACCACTAGGCGAGGAGTCTGAGATACTCCCGGTTCGGAG
 ACAGGGTACCTTGATACACGCTCTGGCTGCAGCTGAAACCTCGAGTGCATTTTTCCAGGATCTTTC
 TCCCATCGCACAGTGCCGAAGAAATAGAGCTCCACCCACTGATCTCAGCTAACAATACGCTCTATAAAC
 AATGGGCTTTACAGCGATATTTATGACGTTTACGCCGATACAGACTTTGCGGACACGGGGGTTTCAGTA
 GCAGTACCGTGTCTCACTCTTCTGTACAGACAGCTCTCCAGACGACGAGTATACCGTCCCAGTACGGCAA
 CACGACAGTGCCCTGACTGCCTCTTACCCTATACCCCTATCCCCACAAGTTTCAGACCCAGCAGCGGC
 CATAACCATTTGTTCCAGCCCGGCCCATCTTCCCGCAGACCCCTATTGCTGTTAATGGAGGCGATTCT
 ACCTCCACCCAGCTACACGTACGTGAGGAAAAGACGAAAGAGGTTCCCTTACTTCTGCGCCGACGGCTA
 CGTGGCCGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101823 representing NP_043293
 Red=Cloning sites Green=Tags

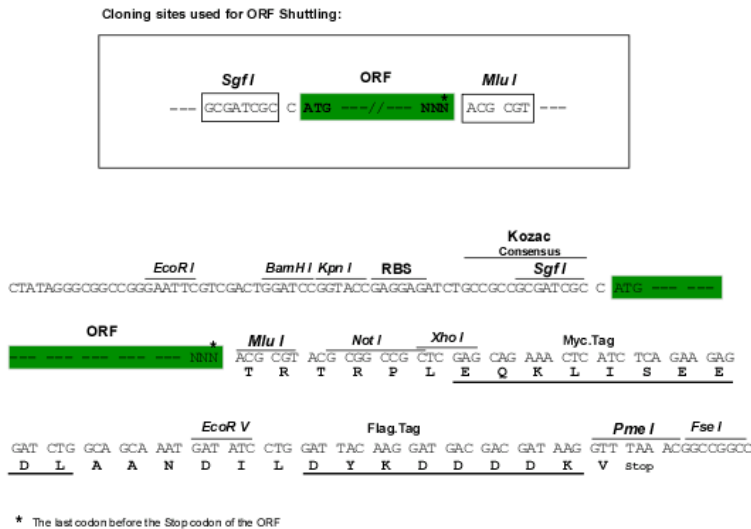
MAKARAPRRKRASATQLYQTKASGTCPSDVIPKVEGTTIADQILRWGSMGVFFGGLGIGTGSSTGGRTG
 YIPLGRPSTTLEPGPPVRPAGAVETVAPSDPSIVSLVEESSVVDVGAPTPTIPSQGGFEIATSSDPAI
 LDVSTTTPIRVSITSHDNPIYTEPSLLDPPPPVQMDGRVLVSTSTLQSSTAENIPMDTFIIMQDHIGTT
 TSTPIPRPPARPRLLGLYSRALQQVPVQDPAFLQQPSSLITYDNPVYEGNPDVTLHFEQPTIHNAPDPAFM
 DIFALHRPALTTRRGVVRYSRVGDRATLHTRSGLQLKPRVHFFQDLSPIAHVPEEIELHPLISANNTSIN
 NGLYSIDIYDYADTDFADTGGFSSSTVSHSSVQTALQTTIPSQYGNNTVPLTASSPYTP IPTSFRPSSG
 HTPFVPARPIFPQPIAVNGGDFYLHPSYTYVRKRRKRFYFLADGYVAA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001676

ORF Size: 1410 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_001676.1](#), [NP_043293](#)

RefSeq ORF: 1410 bp

Locus ID: 1497437

MW: 50.5 kDa