

## Product datasheet for **VC102000**

### L1 (NC\_001355) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001355) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC102000 represents NCBI reference of NP\_040304 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTGGCGGCCGTCCGATAGCACGGTGTATGTTCCACCCCAAATCCAGTTTCTAAAGTTGTGGCTACAG  
 ATGCTTATGTGACCCGGACGAACATCTTTTATCACGCTTCTTCTCTCGACTCCTCGCCGTGGGACACCC  
 TTACTTTAGTATCAAGAGAGCAAACAAGACTGTGGTGCCCAAGGTCTCTGGTTACCAAGTATAGAGTGTT  
 AAGGTGGTGTCTCTGACCCCAACAAGTTTGCCTCCCTGATAGTAGTCTGTTGATCCCACAACGCAAC  
 GACTGGTATGGCGTGCACCGTCTGGAAGTTGGTAGGGGCGAGCCACTCGGTGTAGGGTTAGCGGCCA  
 CCCCTTTCTGAACAAGTATGATGACGTGAAAACAGCGGAAGTGGAGGCAACCCTGGACAGGACAATCGG  
 GTAACCGTGGGCATGGACTATAAACAGACCCAGCTGTGCATGGTGGGTGCGCCCAACCCTGGCGAAC  
 ACTGGGTAAGGGCAAACAATGCACAAACACCCTGTGCAGGCCGCGACTGTCCACCTCTCGAACTTAT  
 CACCAGCGTCATTCAAGATGGCGATATGGTTGACACCGGTTTTGGTGCCATGAACCTCGTGACCTCCAA  
 ACCAACAAATCTGACGTGCCAATAGATATCTGCGGCACAACCTGTAAGTATCCCGATTATCTGCAGATGG  
 CAGCCGATCCCTATGGTGATAGGCTGTTTTTTTTCTGCGCAAAGAACAGATGTTTGCCCGCATTTTT  
 CAATAGAGCTGGCGAGGTGGGAGAACAGTCCCAGACACACTGATCATAAAGGGCAGTGGAAATAGAACC  
 TCAGTTGGCTCTAGCATTTATGTGAATACCCATCCGGATCACTGGTGTCTTTCAGAGGCCAGCTGTTCA  
 ACAACCTTATTGGTGCAGAAAGCACAGGGCCACAACAATGGCATATGCTGGGGCAACCAGCTGTTGCT  
 GACCGTTGTGGACACAACCTCGCTCCACCAATATGACACTCTGCGTAGCGTGACAACCAGCTCTACATAC  
 ACAAACCGGACTACAAGGAATATATGCGGCAGTGGAAAGAGTACGACCTTCAGTTCATATTCCAATTGT  
 GTAGTATTACCCTTTCTGCGGAGGTGATGGCTTACATCCATACAATGAACCCATCTGTACTCGAGGATTG  
 GAATTTGCGCCTGTCCCAACCAACCGCACTCTGGAAGACACGTATCGATATGTCCAGAGTCAGGCC  
 ATCACTTGTCAAAAACCGACACCCGAGAAAGAGAAGCCCGATCCTTACAAGAACCTGTCTTTCTGGGAGG  
 TGAACCTGAAGGAGAAGTTCTCTAGTGAACCTGGATCAGTACCCTCTGGGTAGAAAGTTCTTTTGCAGTC  
 CGGATATAGGGCAGGTCAAGTATCAGGACCGGAGTAAAAGACCAGCAGTCAAGGCATCAGCCGCA  
 CCTAAGCGGAAACGCGCAAGACCAACGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102000 representing NP\_040304  
 Red=Cloning sites Green=Tags

MWRPSDSTVYVPPNPVSKVVATDAYVTRTNIFYHASSRLLAVGHPYFSIKRANKTVVPKVSQYQYRVF  
 KVVLPDPNKFALPDSSLFDPTTQRLVWACTGLEVGRGQPLGVGVSGHPFLNKYDDVENSFSGGNPQDNR  
 VNVGMDYKQTLQCMVGCAPPLGEHWGKQCTNTPVQAGDCPPELELITSVIQDGMVDTGFGAMNFADLQ  
 TNKSDVPIIDICGTTCKYPDYLQMAADPYGDRLFFFLRKEQMFARHFFNRAGEVGEVVPDTLIIKSGNRT  
 SVGSSIIYVNTPSGSLVSEAQLFNKPYWLQKAQGHNNGICWGNQLFVTVVDTTRSTNMTLCASVTTSSY  
 TNSDYKEYMRHVEEYDLQFIFQLCSITLSAEVMAYIHTMNPVLEDFWFLSPPPNGLTLEDYRYVQSQA  
 ITCQKPTPEKEKPDYKNSFWEVNLKEKFSSELDQYPLGRKFLLQSGYRGRSSIRTGVKRPVSKASAA  
 PKRKRAKTKR

**TR**TRRLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_001355

**ORF Size:** 1500 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\\_001355.1](#), [NP\\_040304](#)
**RefSeq ORF:** 1500 bp

**Locus ID:** 1489370

**MW:** 55.6 kDa