

Product datasheet for **VC101810**

L1 (NC_001357) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001357) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L1
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 VC101810 represents NCBI reference of NP_040317 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGTCTGTATACAAGAGTCTTGATCCTTCACTACCATCTCCTTCTTTGTATGGGCCACTTTACCACC
CCAGGCCGCTGCCCTTCACTCCATTTTGGTGTATATGGTCCATAATAATCTGTGGGCATTATATTAT
ATTGTTTCTGCGAAATGTGAATGTTTTCTATCTTCTCCAGATGGCACTGTGGAGGCCAAGTGATAAC
ACCGTTTACCTTCCACCCCTCCGTAGCAGAGTCGTAACACAGACGATTATGTCACCCACCAGCA
TATTCTACCATGCCGTTCTAGCAGACTGCTTACTGTCGGGAATCCGTACTTCCGCGTTCAGCTGGGG
TGGCAACAACAGGACATTCCTAAGGTCTCAGCTTATCAATACCGGGTCTTTCGCGTTCAGTTGCCCGAT
CCAAATAAGTTCGGACTCCCGATACCTCAATTTACAATCCGGAGACACAGAGATTGGTCTGGGCATGTG
CCGGCGTGAAAATTGGACGAGGCCAGCCATTGGGCGTGGGCTGTCCGGCCACCCCTTTATAATAAAT
GGACGACACAGAAAGTAGCCACGCTGCGACATCTAACGTTTCAGAGGATGTGCGCGATAACGTGAGTGTG
GACTACAAGCAGACTCAGTTGTGCATACTCGGATGTGCCCCCGCCATAGGTGAACATTGGGCCAAGGGGA
CTGCCTGTAAGTCAAGGCCCTTTCACAGGGCGACTGTCCGCCTCTGGAGCTGAAGAACACTGTGCTCGA
GGACGGGGATATGGTCGACACCGGGTACGGAGCCATGGACTTTAGCACGCTGCAGGACACCAATGTGAG
GTGCCTCTGGATATCTGCCAGTCTATTTGCAAATACCCAGATTACCTTCAGATGAGCGCAGACCCCTATG
GCGATAGCATGTTCTTCTGTCTGCGGAGGGAGCAGCTCTTTCGCCGCGATTTTGGAACAGGGCCGGCAC
CATGGGAGATACAGTCCCCAGAGTCTGTACATTAAGGAAGTGGTATGCCCGCATCTCCAGGGTCTATGC
GTATATTCAACAAGCCCCTCTGGCAGCATCGTTACAAGCGACTCCAGCTGTTCAATAAGCCCTACTGGC
TCCATAAGGCTCAGGGCCATAACAATGGAGTCTGCTGGCACAATCAGCTGTTCTGACTGTCTGGGACAC
CACTCCTTCCACTAATCTGACAATATGCGCCTCAACCCAGAGCCCTGTCCCGGGCAGTACGACGCCACA
AAATTCAGCAATACTCAAGGCAGCTCGAAGAGTACGACCTCCAGTTCATATTCCAGCTGTGTACAATAA
CCTTGACCGCCGATGTGATGTCTATATACATTCTATGAACAGTTCTATCTTGGAGGACTGGAATTCGG
GGTCCCCCACCCTACAACCTCACTCGTTGATACGTACAGATTCTGTCAGTCACTGGCCATTACCTGC
CAAAAGGACGCGCCACCAGCCGAAAATAAAGACCCTATGATAAGCTCAAATTCTGGAACGTCGATCTCA
AGGAGAAATTCTCCCTTGACCTGGATCAGTATCCTCTTGGACGCAAATTCCTGGTGCAGGCCGGTTGCG
ACGAAAGCCAACCATCGGCCCCAGAAAGCGCTCTGCCCTTCTGCTACTACTAGCAGCAAGCCGCCAAG
CGGGTGAAGGTGCGGCCAGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101810 representing NP_040317

Red=Cloning sites Green=Tags

MCLYTRVLILHYHLLPLYGPLYHPRPLPLHSILVYMVHIIICGHYIILFLRNVNVPFIPLQMALWRPSDN
TVYLPSPSVARVNTDDYVTPTSIFYHAGSSRLTLVGNPYFRVPAGGGNKQDIPKVSAYQYRVFRVQLPD
PNKFGLPDTSIYNPETQRLVWACAGVEIGRGQPLGVLSGHPFYNKLDDESSHAATSNVSEDVRDNVSV
DYKQTQLCILGCAPAI GEHWAKGTACKSRPLSQGDCPPELKNVLEEDGMVDTGYGAMDFSTLQDTKCE
VPLDQCISICKYPDYLQMSADPYGDSMFFCLRREQLFARHFWRAGTMDTVPQSLYIKGTGMPASPGSC
VYSPSPSGSIVTSDSQLFNKPYWLHKAQGHNNVCWHNQLFVTVDTPSTNLTI CASTQSPVPGQYDAT
KFKQYSRHHVEEYDLQFIFQLCTITLTADVMSYIHSMNSSILEDWNFGVPPPTTSLVDTYRFVQSVAITC
QKDAAPAENKDPYDKLFWNVDLKEKFSLDLDQYPLGRKFLVQAGLRKRKPTIGPRKRSAPSATSSKPAK
RVRVRARK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NC_001357

ORF Size: 1704 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_001357.1, NP_040317](#)

RefSeq ORF: 1704 bp

Locus ID: 1489090

UniProt ID: [P06463](#)

MW: 63.6 kDa