

Product datasheet for **VC101918**

L1 (NC_001586) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001586) 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 VC101918 represents NCBI reference of NP_041806 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGTGTGGCGCCATCCGACAACAAAGTGTACTTGCTCCCCACCTGTATCCAAGGTAGTCTCCA
 CAGACGAGTACGTTACGCGGACAATTATTTCTACCATGCAAGCTCTAGCAGACTGTTGGCCGTGGGACA
 TCCGTACTACACAATTAAGAAGACACCAACAGGACTTCAATCCGAAAGTGTCTGGTCTGCAGTACAGA
 GTGTTCCAGGGTACGGCTCCCCGACCCCAACAAATTCACCTGCCAGAAACGAATCTGTACAATCCCGAGA
 CTCACGAATGGTCTGGGCTGTGTGGGACTGGAGGTCGGCCGCGGCCAGCCACTGGGAGTGGGCTGAG
 CGGGCACCCCTTCTCACAGGCTTGATGACACAGAAAACGGTCTCGGTACGCCGAGGTCAGGTACC
 GACAATCGGGAGAATGTCTCCATGGATTGCAAGCAGACTCAGCTCTGTCTCGTGGGTGTAAGCCTGCAA
 TCGGAGAGCACTGGGAAAAGGAGCTGCTTGCACTGCTCAGTCTAACGGAGATTGCTCCTCCTTGGAACT
 GCAGAACTCAGTTATACAGGATGGAGATATGGCTGATGTGGGTTTCGGTGCATGGATTTCTCAGCCCTG
 CAGACATCCAAGCTGAAGTGCCTCTTGATATAATGAATTCATCTCAAAGTACCCCGATTATCTCAAGA
 TGTCCGCCGAAGCCTATGGAGACAATATGTTTTCTTCTCCGCGCGAGCAAATGTTCTGTCGACATTT
 GTTTAACAGAGCCGGCAGCTGGGGAGCCAGTGCCTGAAGATATGTATATAAAGCATCAAACGGAGCC
 TCAGGACGAAACAACTTGGCCTCCTCAATTTATTACCCTACACCATCTGGGAGTATGGTCACGTCTGACG
 CCCAGATTTTCAATAAACCATATTGGCTGCAGCAGGCTCAAGGGCATAATAACGGCATCTGCTGGGAAA
 CCAGGTTTTCTGACAGTAGTCGATACCACGGGAGCACAATATGACTGTGTGCGACTGTGACAACC
 GAAGACCTATAAATCAACTAATTTCAAGGAATATCTGCGCATGCAGAGGAATACGACATCCAATTTA
 TCTTCCAGCTGTGCAAAATTACACTTTCGGTCCAGGTGATGAGTTATATTCATACCATGAATCCAGATAT
 TCTGGATGACTGGAATGTGGGCTGGCCCTCCTCCATCCGGTACACTGGAGGACAGCTATCGGTTTGTG
 CAGTCCCAAGCCATCCGATGCCAGGCAAAAGTCACTGCACCTGAGAAGAAAGATCCCTTTTCCGATTACT
 CTTTCTGGGAGGTAACCTGTCCGAAAAGTTAGCTCTGATCTGGACCAGTTTCTTTGGGTGCGAAGTT
 TCTGCTGCAGGCCGGCTGCGAGCGAGGCTAAGCTTACGGCCGTAAGCGGACCGCCAGCTCTCCAG
 AAAAGCTCCTCACCTGCAAAACGCCGAAAGACTCGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101918 representing NP_041806
Red=Cloning sites **Green**=Tags

MSVWRPSDNKVYLPVPPVSKVSTDEYVQRTNYFYHASSRLLAVGHPYYTIKKTNPRTSIPKVSGLQYR
 VFRVRLPDPNKF TLPETNLNYPETQRMVWACVGLLEVGRGQPLGVGLSGHPLLNRLLDDTENGPRYAAGPGT
 DNRENVSMDCQKQTLCLVGCKPAIGEHWGKAACSAQSNQDPCPLELQNSVIQDGMADVGFAMDF SAL
 QTSKAEVPLDIMNSISKYPDYLKMSAEAYGDNMFFFLRREQMFVRHLFNRAGTLGEPVPEDMYIKASNGA
 SGRNNLASSIYPTPSGSMVTSDAQIFNKPWYLLQQAQGHNNIGICWGNQVFLTVVDTRSTNMTVCATVTT
 EDTYKSTNFKYLRHAEYDIQFIFQLCKITLSVEVMSYIHTMNPDI LDDWNVGVAPPPSGTLEDSYRFV
 QSQAIRCQAKVTAPEKKDPFSDYSFWEVNLSEKFSDDLQDFPLGRKFLQLQAGLRARPKLTAVKRTASSSQ
 KSSSPAKRRKTRK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001586

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_001586.1, NP_041806](#)
RefSeq ORF: 1509 bp

Locus ID: 1489426

MW: 56.3 kDa