

Product datasheet for **VC102027**

L1 (NC_004104) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_004104) 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 VC102027 represents NCBI reference of NP_671509 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTATGTGGAAGCCTAGTGACAACAAGGTGTACCTGCCTCCAGCGCCCGTGAGTAAGGTGCTGTCCA
 CAGACGCCTACGTGAGTCGGACTAACATCTACTATTATGCAGGATCCAGCCGGCTCCTGACCGTCGGTCA
 CCCATACTTCGCTATAAAAAACAGTCAGGAAAGAATCCAATTGTCGTGCCAAAAGTTAGCGGTTACCGAG
 TACCGGGTGTTCGCGTGCAGCTCCCGACCCGAATAAGTTCGGGCTGCCAGACGCTTCACTGTATAATC
 CAGATTCTCAAAGGCTTGTGGCCTGTACAGGCGTAGAGGTCGGCCGCGGACAGCCACTGGGTGTCGG
 CGTCTCCGGCCACCCACTCTACAACCGCTTTATGACACCGAAAACAAAATTTGTACGATGTCGTTCCC
 GGGGACGACACCCGGGATAACCTTACAATGGATTACAAGCAGACGACGCTGTTTATTATCGGCTGAAGC
 CTCCTCGGGGAGCACTGGGCAAAGGGACTCCCTGCAATATGTCCAACGTGCAGCGCCGGGATTGTC
 ACCCATCGAGCTTAAATCATCAACCATCCAAGACGGGGATATGATCGATACCGGATTCGGCGCCCTGGAC
 TTTGCCGCGCTTCAGACAAAACAATCTGACGTTCCCTGGACATTGTTACAACCCTTGAAGTACCCAG
 ACTTCTCGAGATGGCTGCAGAGCCCTACGGCGACCTGATGTTCTTCTGTCTGCGCGGGAGCAAATGTT
 TATACGCCACTTCTATAACCGCGCTGGGACAATGGGCGACGCCATCCCAGACGGTTTCGTGTTGAAGGGC
 ACCAGCAGCACATCACGAGGTACCCCATCTTCTGTGTATGGATCTACTCCCTCAGGCTCCATGGTAA
 CATCTGAATCACAGCTCTCAATAAGCCTTATTGGCTCCAGAGAGCTCAAGGGCCAAAACAATGGTATTTG
 TTGGGGCAATCAGTTGTCGTGACGGTGGTTGACACCACAGGTCTACCAACATGACAATCTGCGCTACC
 CAACTCCTAGCAGACTTACAAGGCTAGCAATTTCAAAGAATACATGAGACATGGCGAGGAATTCGACC
 TGCAGTTTATTTCCAGCTCTGCGTTATCAACTTGACCACAGAGTTATGGCTACCTGCACGGAATGAA
 CGCAACCCCTCTCGAGGATTGGAACCTTTGGCTCACTGCCCCACCTACCGCTCCCTCGGAGACACATAC
 CGGTTCTTGCAGAGCCAAGCTATTTCTTGTGAGAAGCCGAGTGCTGTGCCCACTGAGAACAAGACCCTT
 ACGCCGGACTCACATTTGGGAGGTAGACCTCTCTGAACGCTTTTCCCTGGAGCTCGACCAGTTTCCCT
 GGGCAGAAAATTCCTCTGCAAAGGCCACAGAGTGAGAAGTTCTCCCGTGTCCAGAAAAGGCCAGCC
 CCCTCCACCGCACCATCCACCAAGAGGAAACGATCAAAGCGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102027 representing NP_671509
Red=Cloning sites **Green**=Tags

MAMWKPSDNKVYLPPAPVSKVLSTDAYVSRNTIYYYAGSSRLLTVGHPYFAIKKQSGKNPIVVPKVSQYQ
 YRVFRVRLPDPNKFGLPDASLYNPDSQRLVWACTGVEVGRGQPLGCVSGHPLYNRLYDTENTNLVDVVP
 GDDTRDNL TMDYKQTQLFIIGCKPPLGEHWAKGTPCNMSNVQAGDCPPIELKSSTIQDGMIDTGFALD
 FAALQTNKSDVPLDIVTTTCKYPDFLQMAAEPYGDLMFFCLRREQMFIRHFYNRAGTMGDAIPDGFVLKG
 TSSTSRTPTSSVYGSTPSGSMVTSESQFLFNKPYWLQRAQPNNGICWGNQLFVTVVDTTRSTNMTICAT
 QTPSDTYKASNFKEYMRHGEFDLQFIFQLCVINLTTEVMAYLHGMNATLLEDWNFGSLPPPTASLGDY
 RFLQSQAISQKPSAVPTENKDPYAGLTFWEVDLSERFSELDQFPLGRKFLLRGRTRVRSPPVSRKRPA
 PSTAPSTKRKRKRS

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_004104

ORF Size: 1515 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_004104.1, NP_671509](#)
RefSeq ORF: 1515 bp

Locus ID: 951491

MW: 56.3 kDa