

Product datasheet for **VC101831**

L1 (NC_001694) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001694) 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 VC101831 represents NCBI reference of NP_043450 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTGTGGCGCCCTGGCGACGGCAAAGTATACCTTCGCCAACACCCGTCAGCAAGGTAATATCAA
 CCGATCGCTACGTCCAGAGGACGAACCTGTTTTATTATGGAGGGTCTCAAGTTGCTCACCGTTGGTCA
 TCCCTATTGCTCCCTCCAGCTGGACGGCTGCAGGAAAGAAAAACACCATACCAAGGTGAGCGCTAC
 CAATATCGCGTGTTCGGGTGCAGCTTCTGACCCGAACAAATTCGCACTCCAGATGGCACACTGTACA
 ACCCTGATACTGAACGAATGGTGTGGCCCTGTAGAGGAATCGAGGTGGGCCGGGCCAGCCCTTGGGTGT
 TGGAACTAGCGGCCATCCTCTATAACCGTTGGATGATACCGAGAACAACGCTTCTGGTTGCGGAG
 AGCAGTACTCTCGGACAACGTGTCTGTTGATTATAAACAGACACAGCTGTTGATTGTAGGGTGAAGC
 CACCTATTGGCGAGCATTGGACAAAGGAACTGCTTGTGCAAACCCCGCTCAAGACCTACGGATTGTCC
 ACCTCTGGAGTTCACAAACACCACCATTAGGACGGCGACATGGTAGAAACAGGATACGGAGCCATAGAC
 TTCGCCGCTCTCCAGGAAAATAAGTCTGAAGTCCCCTGGACATTTGACTACCATCTGCAAATATCCAG
 ACTATTTGCAGATGGCTGCAGAGCCTTACGGTGATTGCATGTTTTTTGTCTTAGGAGAGAGCAGATGTT
 CGCAAGACATTTCTTAAATCGACAGGGAGTGATGGGCGAGGCATTGCCCGATAGCTACTATCTCAAGGGC
 GCAATGATAAGGCTGCGCCCGGAGCTACATATACAGTCTACCCCTTCCAGTTCCATGGTAAGCAGCG
 ACTCCAACTGTTCAATAAGCCCTATTGGCTGCAGCGAGCGCAAGGGCACAACAACGGCATTGTTGGTT
 TAACGAGCTGTTGTACAGTGGTGACACAACAAGGAGCACCAATCTGACCATCTGCACCGCAACAAGT
 CCTCCCGTGTGAGAGTATAAAGCCACATCTTTCAGAGAATACTTGAGGCACACAGAAGAGTTCGACCTCC
 AGTTCATCTTTCAGCTGTGTAAGATTACCTGACTCCCGAGATCATGGCTTATCTGCATAACATGAACAA
 AGCCTTGCTTGACGACTGGAATTTGGAGTTGTCCCACCACCATCTACCAGTCTCGAAGATACCTATCGC
 TTCCTGCAGAGTAGAGCCATCACATGTCAGAAAGGCGCTGCTGCACCCCCCAAAGAGGACAGGTACG
 CTAAGCTCAGTTTTTGGACTGTGGACCTCCGCGATAAATTCAGTACGGATCTGGACCAGTTTCCATTGGG
 CCGGAAGTTCCTGCTCAAGCCGGTCCCAGGTCCGTGTCTGTGAGCCGAAAAGAGCTGCACCCAGCTCC
 ACACCAACAAGCAGCCCTGCAACCAAAAAGAAAGCGAAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101831 representing NP_043450
 Red=Cloning sites Green=Tags

MALWRPGDGKVVLPPTPVSKVISTDRYVQRNLFYYGGSSRLLTVGHPYCSLQLDGLQGKNTIPKVSGY
 QYRVFRVQLPDPNKFALPDGTLYNPDTERMVWACRGIEVGRGQPLGVGTSGHPLYNRLDDTENTLLVAE
 SSDSRDNVSDYKQTQLLIVGCKPPIGEHWTKGTACANPAPRPTDCPPLEFNTTTIQDGMVETGYGAID
 FAALQENKSEVPLDICTTICKYPDYLQMAAEPYGDGMFFCLRREQMFARHFFNRQVMGEALPDSYYLKG
 ANDKAAPGSYIYSPTPSGSMVSSDSQLFNKPYWLQRAQGHNNGICWFNELFVTVVDTRSTNLITICTATS
 PPVSEYKATSFREYLRHTEEFDLQFIFQLCKIHLTPEIMAYLHNMNKALLDDWNFGVVPSTSLDYR
 FLQSRAITCQKGAAPPKEDRYAKLSFWTVDLRDKFSTDLDQFPLGRKFLLQAGPRSVSVSRKRAAPSS
 TPTSSPATKRKRKQ

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDK**V**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001694

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_001694.1, NP_043450](#)
RefSeq ORF: 1515 bp

Locus ID: 1403318

MW: 56.7 kDa