

Product datasheet for **VC101781**

L1 (NC_012485) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_012485) 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 VC101781 represents NCBI reference of YP_002756544 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCATATTGGCTGCCGCTTCTGGTAAAGTCTACCTGCCTCCCTCAAGACCCGTTGCAAGAGTCTTA
 GTACCGATGATTACGTTCAAGAGACCAGTCTGTTTTTCCATGCTAGTTCGGATCGGCTTCTTACCGTGGG
 ACACCCCTACTTTCTGTCAAGGATCCGATTACAAAGGCAATCAATGTGCCCAAAGTGTCTGAAATCAG
 TTTTCGCGTTTTCCGGCTGCAGTTCCTGACCCGAATCGATTTCGCCCTGGTAGATCCCTCAGTGTATAATC
 CAGACACTGAGAGACTTGTCTGAAACTCAGAGGAATAGAAGTCATTAGAGGCGGACCTCTGGGAATTGG
 CTCTACAGGCCATCCACTGTTCAACAAGCTGAATGATACTGAGAACCCAAATAATTACCTGAAGGGAAGC
 ACCGATAATAGACAGAATGTCTCACTGGATCCTAAACAAACCAACTTTTGATTGTGGCTGTGTGCCAT
 GTACCGGTGCACACTGGGATGTGCCAAGGCTGCGCTGAGCCTGTACCCAAAAGGGCGACTGCCCCCC
 TCTGCAGCTGATCAATAGTATCATTGAGGATGGAGATATGTGTGACATTGGTTTTCGGAGCCATGAATTC
 AACGCCCTGCAACAGGATCGGTCCGGAGCTCCCTTGGACATCGTCGCTACTACCTGTAAGTGCCGGACC
 TGGTCAAGATGTCCAACAACGTGTATGGCGACGATTTGTTCTTTTTCGGAAAAGGGAGCAGGAATATGC
 CCGACACTATTTCACTCGGCATGGGTTGTTGGAGATAGCATTCCCAGGTTAATGAAGATCCCCAGACA
 TTGTATGTTAGACCTGGCAAATCCGGGCAACAACAGAATACAGTAAGTAGTCCCCTGTATTTTCGCAACAC
 CCAGCGGATCCTTGTTACTAGTGATGCACAAATCCTGAATCGGCCTTACTGGATGCAGCGGGCACAAGG
 AATGAACAACGGAGTCTGCTGGAACAACAATTTGTTTGTACTGTCGTTGACAACACCCATAATACAAC
 TTTACAATCTCTCAATACAGCGGAGCTCAAGAGCAGCCCCACAAGAATATGACTCAAGCGACTATAAAG
 TTTATCTGCGCCACGTGGAAGAGTTTGACATAAGCGTCATCGTGCAAATCTGTAAGATATCCTGGATGC
 AGACATCCTGGCTCATTTGAATACTATGAATCCTACCATCCTCGAGAATTGGAACCTGGCCTTCGTCCCC
 CCCCCTGCCAGTGGTATTGAAGATCATTATCGCTATATTAACAGCCTTGCCACAAGGTGCCAGATCAGA
 ACCCACCACCAGAGAAAGAAGATCCTTACGCCAAATATAACTTCTGGCCGTCGATATGACGGACAAAAT
 GTCAAACGACTTGACGCAGACCAGTCTGGGAGACGATTTGTGTACCAGATAGGGCTGGCCGCCGCACA
 AATTCACTTACAGGCAAGCGGAAAAGAGTGCCAATAGGCTCTAGTAATACCAGCAAAGTTCTAAGCGCA
 AACGGAATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101781 representing YP_002756544
 Red=Cloning sites Green=Tags

MSYWLPAASGKVVYLPSPRVARVLSDDYVQETSLFFHASSDRLLTVGHPYFPVKDPIKAINVPKVSNGQ
 FRVFRLQFPDPNRFALVDPVYNPDTERLVWKLRGIEVIRGGPLIGSTGHPLFNKLNNDTENPNNYLKGS
 TDNRQNVSLDPKQTQLLIVGCVPTGAHWDAAKACAEPVPKKGDPCPLQLINSIIEDGDMCDIGFGAMNF
 NALQQDRSGAPLDIVATTCKWPDLVKMSNNVYGDLLFFFGKREQEYARHYFTRHGVVGDSSIPQVNEPQT
 LYVRPGKSGQQQNTVSSPVYFATPSGSLVTSDAQILNRPYWMQRAQGMNNGVCWNNLNFVTVVDNTHNTN
 FTISQYSGAQEQPPQEYDSSDYKYYLRHVEEFDISVIVQICKISLDADILAHLNTMNPTILENWNLAFVP
 PPASGIEDHYRYINSLATRCPDQNPPEKEDPYAKYNFWAVDMDTKMSNDLTQTSLGRFVYQIGLAART
 NSLTGKRKRVAIGSSNTSKSSKRKRKS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_012485

ORF Size: 1551 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_012485.1, YP_002756544](#)

RefSeq ORF: 1551 bp

Locus ID: 7701333

MW: 57.9 kDa