

Product datasheet for **VC101984**

L1 (NC_001693) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001693) 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 VC101984 represents NCBI reference of NP_043443 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCACTGTGGCTGCAACAGCCGGTCAACTGTACCTCCCTCCATCTAAGCCAGTGGCCCGAGTGTCTGT
 CTAAGTACGAGTACGTTACAGCTACAAACCTGGTGTTCACACTGGTACTGATAGAAATGCTGATTGTGGG
 CCATCCCTACTTTGATATAATAGACTCCGGCTCTAATAACATTACAGTCCCAAGTGTCCGAAACCGAG
 TTCAGGGTAAATGCGCCTGCTGTCCCGGATCCCAACAAGTTCGCCATGATAGACAGAGCCGTGTTAATC
 CTGAAAGAGAACGGTTGGTGTGGAGTTGGAGGGGCTGAAATCGGACGGGGCGGGCCTCTGGGTATCGG
 CACCTCTGGTATCCTCTGTTCAATAAGTATGGCGATACTGAGAATCCAGCTGCTTACCCACTGAAGCAG
 AACATGGGGATGATAACCGAATGGATGTATCCATGGATCCGAAGCAAATGCAGCTCTTTATTGTGGGT
 GCAAACAGCCACCGGCGAGCACTGGGACATCGCCAAACCATGTGATCCTGCACCCGCTAAAGGGTCATG
 TCCCCCATCAAGCTGACACAGTCCATCATCCAGGATGGCGAGATGTGCGATACAGGTTTTGAAACGCC
 AATTTTATAACACTGCAAGAGGATAAGTCAGGCGTCCCTCTGGACATTACGAATGAAATTTGCAAGTACC
 CCGATCTGCTGAAAATGACCAAGGATATTTATGGCGATGCGGTTTTCTTTTTCGGAAAGAGGGAACAGAT
 CTATTCGCGCATTATTCGTCGCGGGCGGAATCGATGGGGACTCACTGCCCGACAGCGGCTATTACCTT
 GCACCACAGACAGATAAGCCGCAAAACAACCTGGGGGATATAGCTATTTTCCAACCCCTCTGGCTCCG
 TGGCCAGTCCGACAATCAGCTGTTCAATAGACCATACTGGCTCCACAGAGCCCAAGGAGCAAACAACGG
 AATTTGCTGGGGAAACCAGCTGTTATCACCATTGTGGATAACTCGAAATACCAACCTGTCTATCAGC
 GTGTACAAGCAAGACGCGCCATCGACAATAGATAAGTATAACAAGAAGATTTTCGCCAGTACCTGC
 GGCATACCGAGGAATATGAGGTTGAGCTGATCCTGAGGCTCTGCAAGGTGCCCTGAATCCTGACGTCCT
 TGACACCTGAACGTGATGGATAAGAATATTCTGGAAGATTGGCAGTTGCTTTCTGTCGCCCCACCACCG
 CAGGGTATCGAAGACGCTACCGGTACATTATGTCTCAGGCTACAATGTGCCCCACCGAGCTGCCAATA
 CAGAACGCGAAGACCCCTATAAACAGTACACATTTTGGACTATCGATCTGCAGGAGCGGTTTTCCAATGA
 GCTCAGCCAGTTTTCCCTCGGCAAGCGCTACCTGTACCAATACGGACTTTTGAATGGGCGCAAGCGAAGT
 GCAAGTTCATTTCGTTACCAAGAAATCTAAGACGGTTAAGAGAAAAAGAACTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101984 representing NP_043443
 Red=Cloning sites Green=Tags

MALWLQTAGQLYLPPSKPVARVLSTDEYVQPTNLVFHTGTDRLIVGHPYFDIIDSNGSNNITVPKCSGNQ
 FRVMRLFLFPDPNKFAMIDRAVFNPERERLWVRLGLEIGRGGPLIGTSGHPLFNKYGDENPAAAYPLKQ
 NNGDDNRMDVSMQKQMLFIVGCKPATGEHWDIAKPCDPAPAKGSCPPIKLTQSI IQDGEMCDTGFNGA
 NFITLQEDKSGVPLDITNEICKYPDLLKMTKDIYGDVFFFGKREQIYSRHYFVRRGGIDGSLPDSGYLL
 APQTDKPNQNLGGYSYFPTPSGVSASSDNQLFNRPYWLHRAQGANNGICWGNQLFITIVDNTRNTLSIS
 VYKQDAADNRYKYKQEDFRQYL RHTEEYVELILRLCKVPLNPDVLAHLNVMDKNILEDWQLSFVPPPP
 QGIEDAYRYIMSQATMCPTDVPNTEREDPYKQYTFWTIDLQERFSNELSQFSLGKRYLYQYGLLNGRKRK
 ASSFVTKKSKTVKRKRTK

TRTRRLE**QKLI**SEEDLAANDILDYKDDDDK**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_001693

ORF Size: 1524 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_001693.1, NP_043443](#)
RefSeq ORF: 1524 bp

Locus ID: 1403644

MW: 57.8 kDa