

Product datasheet for **VC101970**

L1 (NC_001691) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001691) 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 VC101970 represents NCBI reference of NP_043429 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACACTGGTCTCCACGAGCGCAAGTTGTACCTCCACCCAGCACCCAGTGCGTCTTGT
 CAACAGACGAATACGTGAAGGAGACCGATGTCTACTTCCATGCCCGCAGCGAAAGGCTCCTGATCGTTGG
 CCACCCATATTACGATATTGAGGATGGAGGTGATATAAAGTTCCAAAAGTGTCTGCCAACCCAGTATCGC
 GTGTTCCGGTGTGAGCTTCTGATCCTAACAAATTTGCTTTGATTGACACAACATTGTACAATAGCGACA
 CGGAAAGACTGGTGTGAAATTTGGTGGGATCGAGGTGGAAAGGGGAGGACCGCTGGGCGTAGGGTCAAC
 GGGGCACCCCTGTTCAACAAAGTGGGCGATACTGAGAACCCAGCTTCTACCTGGGACCACAGGAAAAG
 GACGAAAGGCAAAATCTGTCAATCGACCCAAAGCAAACCTCAACTGCTCATAGTAGGATGTAAGCCCGCCG
 TGGGAGAGTATTGGGATCTCGCAGAGCCGTGCGACAAGAATCCCTTAACAACGGAAAATGCCCCCCAT
 TCAACTCGTCAATTCCTACATCCAGGACGGGGATATGGGAGACATTGGTTTTGGGAATGCCAACTTCCCC
 AAAGTGCAGCAGGATCGGGCAGGGGTGCCTCTTGATATCGTTGACTCAATCAGTTTGGGCCGGACCTTT
 TGAAGATGACAAAGGATGTCTATGGCGACCATGTTTTCTTCTACGCTAACAGGAACAGTTGTACGCGAG
 GCACCTTTCACCCATGCGGGGCCGATCGGCGAGCCTATCCCCAACGTTTCTGGGTTTACAATTACGCC
 GTCAACCCGAACCCAGCCGGAGCAGAATCGCCGGACCAATATAGGCTCATACTGTATTTACCACCCCGA
 GCGGGAGCCTGAACACATCTCCAGTCAGCTTTTCAACCGGCCCTATTGGATCCGGAGAGCTCAAGGAAC
 AAACAACGTATCTGCTGGGCAACGAGGTCTTCGTGACGGTTTTCGACAACACCAGGAATATTAACCTC
 AATATTTCCGTTAAAAAGGATGTCAATCCACTCGACCCTCAACGTTGCTTCTAGCTACATGTACTCAA
 AGGACGACTTTAATCAGTATTCTCGCCATACAGAAGAATATGAGCTTGAGTTCATTTTTAGCTGTGTAA
 AGTGGGCTTGGATGCAGACATCTTGGCACCTCAATGTGATGGATCCGCGGATCTTGGAAAATTGGCAG
 TTGGCGTACGTGCCCCAGCTCCCTCTGGTATCGGGGATACCTACAGGTACCTGAAGTCTGACGCAACCA
 AGTGCCCTGCCAAAGACAGCAGCGCAGAGGTCTGGACCCATATAAGGAGTATACCTTTTGGAAATGTCAA
 TCTGACAGAGAAATTCATCCGAACCTGGACCAGTACGCCCTGGGGCGAAAATTTCTCTCCAGACCCGT
 TTGCTCAAGCGCCGAGTCAGAACCGACTACACTGTCGCTACCGTCAGCAAACCAATAAGCGGAAAAGAA
 CCCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101970 representing NP_043429
 Red=Cloning sites Green=Tags

MAHWSSTSGKLYLPPSTPVARVLSTDEYVKETDVYFHARSERLLIVGHPYYDIEDGGDIKVPKVSANQYR
 VFRCELPDPNKFALIDTTLYNSTERLVWKLVGIEVGRGGPLVVGSTGHPLFNKVGDTENPSFYLGPEK
 DERQNLSDPKQTQLLIVGCKPAVGEYWDLAEPDKNLNNKCPPIQLVNSYIQDGMGDIQGFNANFP
 KLQQDRAGVPLDIVDSISLWPDLLKMTKDYYGDHVFYAKQEQLYARHLFTHAGPIGEPINVSQVYNYA
 VNPNQPEQNRRTNIGSYLYFTTPSGSLNNTSSQLFNRPYWIRRAQGTNNCICWGNVEFVTVFDNTRNINF
 NISVKKDVNPLDPLNVASSYMYSKDDFNQYSRHTEEYELEFIFQLCKVGLDADILAHLNVMDPRIENWQ
 LAYVPPAPSGIGDTYRYLKSDATKCPAKDSSAEVVDPPYKEYTFWNVNLTEKFSSELDQYALGRKFLFQTG
 LLKRRVRTDYTVATVSKPNKRKRTR

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_001691

ORF Size: 1545 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_001691.1](#), [NP_043429](#)
RefSeq ORF: 1545 bp

Locus ID: 1403635

MW: 58.4 kDa