

Product datasheet for **VC101817**

L1 (NC_001352) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001352) 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 VC101817 represents NCBI reference of NP_077122 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTGCGGCCTGAATGATGTGAATGTAAAGCCATAAGCCTCCAAATGGCACTGTGGCGACCCAATG
 AATCAAAGGTCTATCTGCCCCGACGCCAGTCTCAAAGGTGATCTCTACTGATGTGTATGTCACAAGAAC
 TAATGTGTACTATCACGGAGGCTCAAGCCGCTTCTGACCGTAGGCCACCCCTACTATTCCATAAAGAAA
 TCCAACAACAAAGTGGCAGTACAAAAGTAAGTGGCTACCAGTACAGGGTCTTCCACGTGAAGCTGCCCCG
 ATCCCAACAAGTTCGGATTGCCTGATGCAGATCTTACGATCCTGATACACAGAGTTGCTTTGGCCTG
 TGTGGGTGTAGAGGTGGACGCGGACAGCCCTCGGCGTGGGCGTCTCTGGTCACCCATACTACAACAGA
 CTGGATGATACAGAGAATGCCACACACCCGATACTGCTGACGACGGCAGGAGAATATAAGCATGGACT
 ATAAGCAGACACAACCTGTTTCATCTGGGATGTAACCTCCATAGGAGAGCATTGGTCCAAGGGACCAC
 CTGTAACGGAAGCTCTGCCGAGGAGATTGCCCTCCACTGCAGTTTACCAACACCACTATCGAAGATGGC
 GATATGGTCGAGACTGGTTTCGGAGCTTTGGACTTTGCGACTCTGCAGTCCAACAAGTCCGATGTGCCCTC
 TGGACATCTGCACCAACACCTGTAAAGTATCCAGACTATCTCAAAATGGCCGCGGAGCCATACGGGGATTC
 AATGTTTTTTCAGTCTTAGGAGGGAACAAATGTTTACACGGCATTCTTCAATTTGGGAGGCAAGATGGGC
 GACACAATTCCTGACGAAGTGTATTAAGTCCACATCAGTTCCTACTCCCGGTCCCACGTGTACACAT
 CTACCCCTCTGGCAGCATGGTAAGCTCAGAACAACAGCTCTTCAACAACTTACTGGCTCAGGCGCGC
 TCAGGGTCACAACAACGGGATGTGCTGGGAAACAGGGTTTTTCTCACAGTGGTGGATACTACTAGGTCT
 ACTAACGTTTTCCCTCTGTGCAACAGAAGTAGTGATACGAACACTACAAGGGCACTAACTTCAAGGAATATC
 TGAGACACATGGAGGAGTATGACCTTCAATTTCCAGCTCTGCAAAATCACCTGACTCCTGAAAT
 CATGGCGTACATCCACAACATGGATCCTCAATTGCTCGAGGACTGGAACCTTTGGGGTGCCTCCCCACCC
 AGCGCCTCACTGCAGGACACCTACCGGTACCTTCAAAGTCAAGCCATAACCTGCCAAAAACCTACCCCC
 CTAAAACTCCTACGGATCCTTATGCCTCATTGACATTCTGGGACGTGGATCTTTCTGAGTCTTCTCCAT
 GGATCTGGATCAGTTTCCCCTCGGGAGGAAATTCTTGCTTACAGGGGTGCAATGCCACGGTGTCAAGA
 AAACGAGCGCGGTGTCTGGTACTACACCACCCACCTCCAAAAGGAAACGGGTGCGCCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101817 representing NP_077122
 Red=Cloning sites Green=Tags

MSCGLNDVNVSTISLQMALWRPNESKVYLPPTPVSKVISTDVYVTRTNVYHGGSSRLLTVGHPYYSIKK
 SNNKVAVPKVSGYQYRVFHVKLDPNKFGLPDADLYDPDTRQLLWACVGVVEVGRGQPLGCVGSGHPYYNR
 LDDTENAHTPDTADDGRENISMDYKQTLFILGCKPPIGEHWSKGTTCNGSSAAGDCPPLQFTNTTIEDG
 DMVETFGALDFATLQSNKSDVPLDICTNTCKYPDYLKMAAEPYGDSMFFSLRREQMFTRHFNLLGGKMG
 DTIPDELYIKSTSVPTPGSHVYVSTPSGSMVSSEQLFNKPYWLRRAQGHNNMCMWGNRVFLTVVDTTRS
 TNVSLCATEASDTNYKATNFKEYLRHMEEDLQFIFQLCKITLTPEIMAYIHNMDPQLLEDWNFGVPPPP
 SASLQDTRYRLQSQAITCQKPTPPKTPDPYASLTFWVDVLSSEFSMDLDQFPLGRKFLLQRGAMPTVSR
 KRAAVSGTTPPTSKRKRVR

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_001352

ORF Size: 1530 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_001352.1, NP_077122](#)
RefSeq ORF: 1530 bp

Locus ID: 1489231

MW: 57.2 kDa