

Product datasheet for **VC101837**

L1 (NC_001576) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001576) 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 VC101837 represents NCBI reference of NP_041746 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGGATATCAATCTTTGGACTCCTTCCATTACCTCACCAGATATTGTGGCCGTCACCGTGTCCC
ATATCTTTTTGCAGATGGCACTGTGGCGATCATCTGACAACCTGGTCTATCTTCCCTCAACTCCTGTGAG
CAAAGTCTCTCCACCGATGACTATGTGACTAGGACCAACATATATTATTATGCAGGCACCTCCCGGCTG
TTGACCGTCGGACACCCCTACTTCCCTATCCCCAAGTCTCCAACAACAAAGTCGACGTACCTAAGGTAT
CCGCATTTAGTATAGAGTTTTTCAGGGTGGAGACTCCCTGACCCTAATAAGTTTGGCTGCCTGATGCCCC
GATCTATAATCCCGATGTGAACGCCTTGTGTGGCCTGCACTGGCGTGGAGTGGGCAGGGGCCAACCC
CTGGCGTGGGCCTGTCCGGTCATCTCTCTACAATAAGCTCGAGGACACTGAAAATTCAAATTTGCAC
ACGGCCCCATCGGTGAGACTCTCGAGACAACATTAGTGTGATAATAAGCAGACACAACCTGCATTAT
CGGCTGCACCCCAACATGGGAGAACACTGGGGGAAGGGGACCCCTGTAGGAATCCTCCGGCTCAGGGC
GACTGTCTCCACTGGAACCTCATCACCTCCCCGATTCAAGATGGTGTATGGTGGATACAGGATACGGTG
CAATGGACTTCACTGCCCTTACGCTCAACAAGAGCGATGTACCAATTGACATCTGCCAATCAACTTGCAA
GTACCCTGATTACCTGGGTATGGCCGCCGAGCCATATGGTGATTCCATGTTTTTTTATCTGAGGAGAGAG
CAACTCTTTGCTCGCCACTTTTTTAATAGGGCTAGCGCTGTGGCGATGCTATCCCCGACACCTTTATCC
TGAAGAGCAATGGGGCGCCGGGATGTGGGAGCGCCGTGATTCTCCACGCCTAGCGGCAGCATGGT
GACTAGCGAGGCGCAACTCTTCAATAAACCATATTGGCTCCGGAGAGCCCAAGGACATAACAACGGCATC
TGCTGGGCCAACAGCTGTTTCGTGACAGTGGTTGATACTACCAGATCAACAAATATGTGCCTGTGCGTCC
CCTCTGAAGCATCACCTGCCACAACCTTATGACGCTACAAAGTTTAAAGAGTACCTGCGCCATGGCGAAGA
ATATGACCTCCAGTTTTTTTTTTCAGCTTTCGCAAGGTGACCCTGACACCGGATATCATGGCGTACCTTAC
ACCATGAATTCAGTCTCCTGGAAGATTGGAACCTTGGCCTGACCCTGCCTCCGTCACAAAGTCTCGAAG
ATACGTATAGGTTTCTGAGTTCTCAGCAATTACATGCCAGAAGGACACGCCTCCAACAGAGAAGCAGGA
CCCATACGCTAAGCTGAACCTTCTGGGATGTGGATCTGAAAGATCGCTTTTCTTGGACCTCAGTCAGTTT
CCCCTGGGAGAAAGTTTCTTCTGCAGCTGGGTGTGCGCTCAAGAAGCGCCGTGTCGGTTCGAAAAGAC
CGGCTACCAGCGCACCGGTCTACCGCAGCTAAGAGAAAACGGACCAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101837 representing NP_041746

Red=Cloning sites Green=Tags

MAGISIFGLLPFTSPDIVAVNVSHIFLQMALWRSSDNLVYLPPTPVSKVLSTDDYVTRTNIYYYAGTSRL
LTVGHPYFPIPKSSNNKVDVPKVSFAFYRVFRVRLPDPNKFGLPDARIYNPDAERLWVACTGVEVGRGQP
LGVGLSGHPLYNKLEDTENSIAHGPIGQDSRDNISVDNKQTLQCIIGCTPPMGEHWGKGTPCRNPQAQG
DCPPLELITSPIQDGMVDTGYGAMDFALQLNKSQVPIIDICQSTCKYPDYLGMAAEPYGDMSMFYLRRE
QLFARHFNRAVGDALPDTFILKSNNGGRDVGSAVYSPTPSGSMVTSEAQLFNKPYWLRRAQGHNNGI
CWANQLFVTVVDTRSTNMCLCVPSEASPATTYDATKFKKEYLRHGEEYDLQFIFQLCKVTLTPDIMAYLH
TMNSSLLEDWNFGLTLPSTSLLEDYRFLSSSAITCQKDTPTTEKQDPYAKLNFWDVDLKDRLFSLDLQF
PLGRKFLQLGVRSRSAVSVRKRPATSATGSTAARKRRTKK

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_001576

ORF Size: 1593 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_001576.1](#), [NP_041746](#)
RefSeq ORF: 1593 bp

Locus ID: 1489377

MW: 59.0 kDa