

Product datasheet for **VC101838**

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 VC101838 represents NCBI reference of NP_041747 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCTCTGGAGTCTCTGACAATCTGGTATACCTCCCACCTACTCCTGTTTCTAAGGTGCTGTCCA
 CAGATGACTACGTGACAAGAACAACATTTATTACTACGCCGGAACCTCACGGCTCTTGACAGTGGGACA
 CCCTTACTTCCCATCCCGAAATCCAGTAATAACAAAGTCGATGTGCCTAAGGTGTCGGCTTTTCAATAT
 CGCGTCTCCGGGTGCGGCTGCCAGACCCCAACAAATTTGGTCTGCCCGACGCACGCATCTATAATCCTG
 ACGCCGAGAGGCTCGTGTGGGCTGTACAGGTGTGGAAGTCGGCAGAGGACAGCCCTGGGGTTCGGCT
 GTCGGACACCCTCTATAATAAACTGGAAGTACAGAGAATCAAACATAGCCATGGGCCAATTGGT
 CAGGACTCCCGGACAACATCAGCGTCGACAACAAGCAACACAGCTGTGCATCATCGGCTGCACCTCCAC
 CTATGGGGGAGCATTGGGGCAAAGGGACCCCATGCAGGAACCCACCTGCACAAGGTGACTGCCACCCTG
 TGAAGTACTAGTCTATACAGGATGGCGATATGGTAGACACCGGCTATGGCCCATGGATTTTACA
 GCTCTGCAGCTTAATAAATCTGATGTGCCATTGACATCTGTCAAAGTACTTGAATAACCCGGACTACC
 TGGGGATGGCTGTAACCCTACGGGATTCTATGTTTTTTATCTCCGACGGGAGCAGCTGTTGCCAG
 GCATTTTTTAAATCGGGCGAGCGCTGTAGGCGATGCAATCCCGATACCTTCATACTGAAGTCTAATGGC
 GGAGGACGAGACGTGGGCTCAGCAGTCTACAGCCCCACCAAGCGGTTCCATGGTGACTAGTGAAGTCT
 AACTCTCAATAAACCTTACTGGTTGCGAAGAGCTCAAGGCCACAATAATGGGATCTGTTGGGCTAACCA
 CCTTTTTGTGACTGTTGTAGATAACAACGAGATCAACCAACATGTGCCTGTGCGTCCCTAGCGAAGCAAGT
 CCAGCCTACGTACGATGCGACTAAGTCAAGGAATACTTGGCGCAGGAGAAGAATACGACCTCAAT
 TCATTTTTCAACTGTGTAAGTCAACCCTGACACCTGACATTATGGCCTACTTGCAACTATGAACAGCTC
 TCTGCTCGAGGATTGGAATTTGGGCTCACACTGCCTCCTTCAACATCACTCGAGGACACTTACCGTTC
 CTGTCCAGCTCCGCAATTACATGTGAGAAAGACACCCACCCACAGAGAAACAGGATCCCTATGCTAAAC
 TGAATTTCTGGGACGTGGACTTGAAGATCGATTCTCCCTGGACCTTAGCCAATTTCCCCTGGGAGGAA
 GTTCTTGTCCAATTGGGGTGCCTCCCGAAGCGCTGTCTCTGTTAGAAAGCGGCCAGCTACCTCTGCT
 ACAGGGTCTACAGCCGCGAAACGAAGCAACTAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101838 representing NP_041747
 Red=Cloning sites Green=Tags

MALWRSSDNLVYLPPTPVSKVLSTDDYVTRTNIYYYAGTSRLLTVGHPYFPIPKSSNNKVDVPKVSFAFY
 RVFRVRLPDPNKFGLPDARIYNPDAERLVWACTGVEVGRGQPLGVGLSGHPLYNKLEDTENSNIHGP
 QDSRDNISVDNKQTQLCIIGCTPPMGEHWGKGTPCRNPAAQGDPCPLELITSPIQDGMVDTGYGAMDF
 ALQLNKSVDPIDICQSTCKYPDYLGMAAEPYGDMMFFYLRRQLFARHFNRRASAVGDAIPDTFILKSNG
 GGRDVGSVAVSPTPSGSMVTSEQLFNKPYWLRRAQGHNNGICWANQLFVTVVDTRSTNMCLCVPSEAS
 PATTYDATKFKEYLRHGEEYDLQFIFQLCKVTLTPDIMAYLHTMNSSLLEDWNFGLTLPSTSLIEDTYRF
 LSSSAITCQKDTPTTEKQDPYAKLNFWDVLDKDRFSLDL SQFPLGRKFLLQLGVRSSRSVSVRKRPA
 TSGTAAKRKRKK

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: 1509 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_041747](#)
RefSeq ORF: 1509 bp

Locus ID: 1489377

MW: 56.0 kDa