

Product datasheet for **VC101849**

L1 (NC_012213) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_012213) 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 VC101849 represents NCBI reference of YP_002647038 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCCTGTGGCTCCCTCCATCAGGCAAGTTGTACCTTCCTCCCTCCAGCCCGTGCCAAAGATCTCC
 CGACAGACGATTACGTTGTGAAACAAGTGTGTTTTTTCATGCTTCCTCCGAGCGCCTCCTCACTGTGGG
 ACACCCCTACTTTCCCATCACTAAGGTTAACGATCCCAAGACTGTAGTTATCCCAAGGTGAGCGGCAAT
 CAATATCGGGCCTCCGAGTTCTGCTCCAGACCCCAATAAACTCGCCCTGGTCGATAGTAGCCTTTATA
 ATCCAGAGAGCGAGAGACTGGTTTGGCGACTTAGAGGCTTGACATTGGCAGAGCGGGCCTCTGGGGGT
 GGGTAGCACAGGGCATCCTCTGTTCAACAAGCTGAAAGACACCGAGAATCCTAATGGCTACTTCAAACA
 GGGACAGAAAACAGGCAGAACGTGTCCGTGGACCCTAAGCAGACTCAGCTTTTTGTGGTGGGATGCACGC
 CATGCTGGGAGAACACTGGGACCTGCCAAACCATGCGAGCAGCCGAGGAGCAGGGGCATGTCCGCC
 CCTTCAACTCATCTCATCCGTAATTCAGGATGGCGACATGTGTGACATCGGATTCGGGGCTCAATTTT
 GCCTCCTTGCAAGCCGACCATTCCGGTGTGCCTCTGGATATTGTAGCTTCTACTTGAAGTGGCCTGATT
 TTCTGCGCATGTCAAACGATCCTTATGGATCCGCCATGTTTTCTTTGAAAACGGGAGCAGGTCTACGC
 TAGACACTTCTTACGCGGGACGGCACCATCGCGATAAGATACTGAACAGAATTTGAAAGCGTACAG
 CAGACATACATCATTCCAGGAGAGTCTACTAAGGAGCAGAATACGGCCTCCAGCTCCATATACTACAAA
 CACCCTCCGGCAGCCTGGTGTCAAGTATTCTCAGCTCTTCGGCCGCCCTATTGGATACAGAAAGCTCA
 GGGCCAAATAATTCTATTTGCTGGCGGAACAATATCTTCATAACTATGGTCGACAATACTAGAAACGTT
 AATTTCAACATCAACGTCAAAGCAGACGCCGCCCTATGCAACAGTACAACGCAAGTAAATAACAAGCACT
 AACTAGGCATGTGGAGGAGTTGAGCTGTCTTCACTTCCAGCTTTGTAAAGTGCCTCTGACAGCCGA
 TGTGCTGTCTCACATCAATGTAATGGATCCTGGTATTATAGATGATTGGCAGCTGGGGTTCGTGCCGCC
 CCAGCGCCAGCATTGGTATGCCTATCGCTTTCATCGACTCTTTGGCCACTAGGTGCCCTACCGCTGAGC
 CACCAAAAGAGAAAGCAGACCCATACGAAAAGTTCGTGTTCTGGACGGTGGATTTGACTGAAAGACTGAG
 TTCAGACCTTTCTCCTATCCATTGGGTAGACGGTCTTGAGCCAAACCGGTGTTTCCCCTCGCTCCGCT
 AATAAGAGGCCGCTCTCCGATCTAGCCCTAGTTCGCCCTCCACCAAGCGCGGAGGAGAGGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101849 representing YP_002647038
Red=Cloning sites **Green**=Tags

MSLWLPPSGKLYLPPSQPVAKILPTDDYVVETSVFFHASSERLLTVGHPYFPITKVNDPKTVVVPKVS
 QYRAFRVLLPDPNKLALVSSLYNPESERLVWRLRGLDIGRGGPLGVGSTGHPLFNKLDTENPNGYFKT
 GTENRQNVSVDPKQTLFVVGCTPCWGEHWDAAPCEQPQEQGACPLQLISSVIQDGMCDIGFGALNF
 ASLQADHSGVPLDIVASTCKWPDFLRMSNDPYGSAMFFFKREQVYARHFFTRDGTIGDKIPEQNFEGVQ
 QTYIIPGESTKEQNTASSIYYTTPSGSLVSSDQLFGRPYWIQKAQGPNNNSICWRNNIFITMVDNTRNV
 NFTINVKADAAPMQYNASKYKHYTRHVEEFELSFILQLCKVPLTADVLSHINVMDPGIIDDWQLGFVPP
 PAPSIGDAYRFIDSLATRCPTAEPKADPYEFVFWTVDLTERLSSDLSSYPLGRRFLSQTVGSPRSA
 IKRPRSSVSSSRSTKRRRRGA

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_012213

ORF Size: 1539 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_012213.1, YP_002647038](#)
RefSeq ORF: 1539 bp

Locus ID: 7559099

MW: 57.3 kDa