

Product datasheet for **VC101766**

L1 (NC_001356) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001356) 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 VC101766 represents NCBI reference of NP_040309 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTATAACGTGTTTCAGATGGCGGTGTGGCTTCTGCTCAGAACAAGTTCTACCTTCCACCCAGCCAA
 TTACACGCATCCTGAGCACCGACGAGTACGTGACTCGGACGAACCTGTTCTACCATGCAACATCCGAGCG
 ACTGTTGCTGGTTGGGCATCCACTGTTTGGAGATTTCTCCAATCAGACAGTGACGATACCCAAAGTCAGT
 CCTAATGCCTTTCGGGTATTTCCGGTACGCTTCGCAGACCCAAACCGATTCGCTTTTGGCGACAAGGCCA
 TATTTAACCCCGAGACTGAAAGACTCGTGTGGGTTTGGAGGCATTGAAATCGGGAGGGGCCAGCCCT
 TGGAAATGGCATACCGGGCATCTCTCTGAACAAGCTTGACGATGCTGAGAATCTACTAACTACATC
 AATACACATGCCAATGGCGACTCAGCCAGAATACAGCCTTCGACGCAAAGCAAACCTCAGATGTTCTCG
 TTGGGTGCACACCCGCCAGCGGCGAACATTGGACTAGCTCCCGGTGCCAGGCGAGCAGGTGAAACTGGG
 AGACTGCCCTCGGGTCCAGATGATCGAATCCGTGATCGAAGATGGCGACATGATGGACATCGGCTTTGGG
 GCTATGGACTTTGCCGACTCCAACAGGATAAATCAGATGTGCCACTGGACGTGGTGCAGGCCACCTGTA
 AGTACCCTGACTACATCCGCATGAACCACGAGGCTTACGGGAATTCATGTTTTTCTTGGCTCGGCGGGA
 ACAGATGTACACACGACTTTTTTACACGCGCGGCTCAGTAGGGGATAAGGAGGCCGTGCCACAGTCT
 CTCTACCTCACAGCTGATGCCGAGCCCCGACTACGCTCGCCACCACCAACTATGTGGGCACCCCTCTG
 GCTCTATGGTGTCTTCCGACGTTACGCTGTTTAAACAGTCAATTTGGCTCCAGCGCTGTCAAGGGCAAAA
 CAATGGAATCTGCTGGAGAAACCAACTGTTTACCTTACCGTTGGCGACAATACCAGAGGGACTAGTCTTCT
 ATTTCAATGAAGAATAATGCGTCCACCACCTATTCACGTAACCTTAAACGACTTCTGGCCACACCG
 AAGAATTCGATCTGAGTTTTATTGTGCAGCTGTGTAAGTTAAACTCACCCCGAGAATCTGGCATATAT
 TCACACTATGGACCCTAACATCTGGAGGACTGGCAGCTGTCCGTTAGCCAACCACCAACAAACCCCTTG
 GAAGATCAGTATCGCTTCTGGGCTCATCTCTGGCCGCAAAGTCCCTGAGCAGGCCCCACCCGAGCCAC
 AGACAGACCCCTTACAGCCAATACAAGTTCTGGGAAGTCGACCTGACCGAGAGGATGTGAGCAGCTGGA
 CCAGTTTCTCTGGGCAGGAAGTTTCTGTATCAGTCAGGTATGACTCAGCGCACTGCCACTAGCTCTACT
 ACCAAACGCAAGACTGTACGGGTACGACGAGTCTAAACGGCGGAGAAAGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101766 representing NP_040309
 Red=Cloning sites Green=Tags

MYNVFQMAVWLPAQNKFYLPQPITRILSTDEYVTRTNLFYHATSERLLL VGHPLFEISSNQTVTIPKVS
 PNAFRVFRVRFADPNRF AFGDKAIFNPETERL VWGLRGIEIGRGQPLGIGITGHPLLNKLD AENPTNYI
 NTHANGDSRQNTAFDAKQTMFLVGCTPASGEHWTSSRCPGEQVKLGD CPRVQMIESVIEDGDMMDIGFG
 AMDFAALQQDKSDVPLDVVQATCKYPDYIRMNHEAYGNSMFFFARREQMYTRHFFTRGGSVGDKEAVPQS
 LYLTADAEPRTTLATTNYVGTSPSGSMVSSDVQLFNRSYWLQRCQGNNGICWRNQLFITVDNTRGTSLS
 ISMKNNASTTYSNANFNDFLRHTEEFDL SFIVQLCKVKLTPENLAYIHTMDPNILEDWQLSVSQPPTNPL
 EDQYRFLGSSLAACPEQAPPEPQTD PYSQYKFEVDL TERMSEQLDQFPLGRKFLYQSGMTQRTATSST
 TKRKTVRVSTSAKRRRKA

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001356

ORF Size: 1524 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_001356.1](#), [NP_040309](#)
RefSeq ORF: 1524 bp

Locus ID: 1489173

MW: 57.6 kDa