

Product datasheet for **VC101924**

L1 (NC_001587) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001587) 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 VC101924 represents NCBI reference of NP_041812 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTCCAATACTCTATTGCATCCTTGATGTATGTCCTTTCACGCTAACGTGAACGTCTGCCACATCT
 TCTTGCAGATGTGGCGCCCAACTGAAGCCAAAGTGTATCTGCCGCCCGTTAGCGTCAGTAAAGTAGTGTC
 CACCGAGGAGTATGTTACCAGGACCAATATATACTACTATGCTGGCTCTACCAGACTTCTGGCCGTCGGG
 CACCCCTACTATCCAATCAAGGATACTAATGGCAAGCGCAAGATTGCCGTGCCTAAGGTGAGCGGCCTTC
 AGTACAGGGTATTTGCGATTGCGCTCCCGACCCCAATAAGTTCGGATTCCAGACGCCTCCTTCTACAA
 CCCTGACAAGGAAAGACTCGTCTGGGCGTGCCTGGCGTAGAGGTGGGTAGAGGCCAACCCCTGGGAATT
 GGGACATCAGGCAACCCTTTTATGAATAAGTTGGAGGATACGGAAAACGCCGCTAAATACATAGGTGGTA
 ATATTGCTGACTCTCGGAATGCATGTCTAGTGGACTACAAACAAACACAGTTGTGTATCGTAGGATGTAA
 GCCACCTCTGGGCGAACATTGGGGGACCCGTAACCTGCGGGACTCAGAACGCTGGAGAGTGCCCCCCC
 CTGGAGCTTAAGAACAACACTACCATACAGGACGGGACATGATTGATGTGGGCTTCGGCGCTATGGACTTTA
 AAGCACTCCAGGCGAACAAAGAGCGATGTCCGATCGATATCAGCAACACCATTGCAAGTACCCAGATTA
 CCTCGGATGGCTGCCGACCCCTACGGAGACTCCATGTGGTCTACATTAGGAGGGAACAGATGTTCTGTG
 AGGCACCTTTTCAATCGCGCCGGCACCGTGGGCGACGCAATACCTGACGATCTGATGATAAAGGGTACCG
 GAAACACAGCCTCCCATCTTCTGCGTGTATTTACCTACACCCTCTGGGAGCATGGTGTCAAGTGACGC
 ACAGATCTTTAATAAGCCCTACTGGCTGCAAAAGGCACAGGCCAGAACAACGGTATCTGTTGGCACAAT
 CAGCTTTTCTGACAGTGGTGGACACAACACTAGGTCAACTAATTTTCAGTGTCTGTGTCGGCACCCAGTCTA
 CAAGTACCACCGCCCTTATGCCAATTCGAATTTCAAGGAATACCTCCGCCACGCCGAAGAATATGACCT
 CCAAGTTCGTATTCCAGCTGTGCAAGATCAACCTGACGACTGATGTCATGACTTATATACACAGCATGTCA
 AGCTCCATTCTTGAACAGTGGAATTTTGGCCTCACACCCCAACCCTCCGGCACTTTGGAGGAGACCTACA
 GATACGTAACATCACAGGCCATCACTTGTGAGAGCCTCAGCCTCCAAAAGAAACCGAAGACCCATACGG
 CAAGATGACCTTTTGGGAAGTGGACTTGAAGGAGAAATTTCCGCCGAGCTCGATCAGTTCGCGTTGGGG
 AGAAAGTTTTTGTGCGATTGGGCATGAGGGCCAGGCCAAGATTGCAAGCAAGAGATCCGCGCCAT
 CATCCAGTCTACTGCCCAAAAAAAAAAGAGAGCAAAAAGGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101924 representing NP_041812
 Red=Cloning sites Green=Tags

MGPILYILACMSFHANVNVCHIFLQMRPTEAKVYLPVSVSKVVSTEEYVTRTNIYYYAGSTRLLAVG
 HPIYPIKDTNGKRKIAVPKVSGLQYRVFRIRLPDPNKFQFPDASFYNPKERLWVACAGVEVGRGQPLGI
 GTSNPFMNLKEDTENAAYIGGNIADSRECMVDYKQTLQIVGCKPPLGEHWGTGTPCGTQNAGECPP
 LELKNTTIQDGMIDVFGAMDFKALQANKSDVPIDISNTICKYPDYLGMAADPYGDSMWFYIRREQMFV
 RHLFNRAGTVGDAIPDDLMIKGTNTASPSVCFYPTPSGSMVSSDAQIFNKPYWLQKAQGQNNIGCWHN
 QLFLTVVDTTRSTNFSVCVGTQSTTAPYANSNFKEYLRHAEYDLQFVFLCKINLTTDVMTYIHSMS
 SSILEQWNFGLTPPPSGTLEETYRYVTSQAITCQRPPKETEDPYGKMTFWEVDLKEKFSALDQFALG
 RKFLLQLGMRARPRLQASKRSAPSSSSTAPKKKRAKRI

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_001587

ORF Size: 1584 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_001587.1](#), [NP_041812](#)
RefSeq ORF: 1584 bp

Locus ID: 1489433

MW: 59.0 kDa