

Product datasheet for **VC101963**

L1 (NC_001531) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001531) 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 VC101963 represents NCBI reference of NP_041372 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTGTGGCACTCTGCAAACGGCAAGGTGTACCTGCCTCCATCTACGCCAGTCGCTAGGGTCCAAT
CAACAGACGAGTACATTAGCGAACAAACATCTACTATCAGCATTCTTCTGACCGACTTCTGACCGTGGG
CCATCCATATTTTAACTCTACAATATCAATGGCGACAACTGGAAGTCCGAAGGTTAGTGGAACACG
CACAGGGTGTCCGGTTGAACTGCCCGATCCCAACAGGTTTCGCTCTCCAGACATGAGCGTGTACAACC
CAGACAAAGAAAGACTGGTCTGGGCGTGCAGAGGGCTGAAATTTGGTCCGGCCAGCCCCGGGTGTAAG
GTTCCACAGGGCACCCCTATTTTAAAGTCAAGGACACGGAGAAGCTCTAACGCTTACATTACCTTTTCT
AAAGACGATCGCCAGGACAGTCTTTTGTCTAAGCAGATCCAGATGTTTCATCGTGGGATGCACCCCGT
GCATTGGCGAGCATTGGGATAAAGCGGTTCCGTGTGCCGAGAATGACCAACAGACAGGGCTGTGCCCTCC
AATAGAGCTTAAAAACACATATATCCAGGATGGCGACATGGCCGACATCGGTTTCCGGAACATGAATTC
AAGGCTTTGCAGGACAGCCGCTCCGACGTGCTACTCGACATCGTGAATGAACTTCAAATATCCTGATT
TTCTTAAGATGCAGAACGATATTTACGGCGATGCTTGCTTTTTTACGCCCGCAGAGAGCAGTGTATGC
CCGCCATTTTTCTGTTAGAGGAGGAAAACTGGCGACGATATCCGCGGGCTCAGATTGACAACGGGACT
TACAAAAACAGTTCTACATTCTGGTGCAGATGGCCAGGCACAAAAGACCATCGGGAAGCTATGTATT
TTCCAAGTGTCTCAGGATCTCTCGTTAGCTCCGACGCCAGCTTTTTAATAGACCGTTCTGGCTGCAACG
GGCTCAAGGCCACAATAACGGAATCTGTGGGCTAATCAGATGTTTATAACTGTGGTGCACAACACCAGA
AACACTAACTTCAATCAGCTTACAATCAGGCCGGCCCTGAAGGATGTAGCCGATTACAACGCCG
ATCAGTTACAGAGAATATCAAAGACATGTGGAGGATACGAGATATCTCTGATCCTCCAGCTGTGAAGGT
GCCCTTGAAGGCCAGGTGCTGGCCAGATCAACGCTATGAATAGTAGTCTGCTCGAGGATTGGCAGCTC
GGGTTCTGACCAACCCCTGATAATCCTATCCAGGACACATACCGCTACATCGATAGTCTCGCCACTAGAT
GCCCTGACAAAAATCCACCGAAGGAGAAAGAAGACCCCTACAAAGGCCTGCACTTTTGGGATGTGGATCT
CACTGAAAGGTTGCTACTGGATCTGGACCAGTATTCTCTGGGAGGAAATTTCTTTTTCAAGCTGGGCTG
CAGCAAACACAGTCAACGGAATAAGGCCGTCTCTACAAGGGCTCCAACAGGGGTTACTAAGAGAAAGA
GGAAGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101963 representing NP_041372

Red=Cloning sites Green=Tags

MAVWHSANGKVYLPSTPVARVQSTDEYIQRNTNIYYHAFSDRLLTVGHPYFNVYINGDKLEVPKVSGNQ
HRVFRLKLPDPNRFALPDMSVYNPKERLVWACRGLIIGRGQPLGVRSTGHPYFNKVKDTENSNAITFS
KDDRQDTSFDPKQIQMFI VGCTPCIGEHWDKAVPCAENDQQTGLCPPIELKNTYIQDGMADIGFNMNF
KALQDSRSDVSLDIVNETCKYPDFLKMQNDIYGDACFFYARREQC YARHFFVRRGGKTGDDIPRAQIDNGT
YKNQFYIPGADGQAQKTIGNSMYFPTVSGSLVSSDAQLFNRPFWLQRAQGHNNGILWANQMFITVVDNTR
NTNFSISVYNQAGALKDVADYNADQFREYQRHVEEYEISLILQLCKVPLKAQVLAQINAMNSLLEDWQL
GFVPTPDNPIQDTYRYIDSLATRCPDNPPKEKEDPYKGLHFWDVDLTERLSLDLDQYSLGRKFLFQAGL
QTTVNGTKAVSYKGSNRGTRKRKN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001531

ORF Size: 1548 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_001531.1](#), [NP_041372](#)

RefSeq ORF: 1548 bp

Locus ID: 1489054

MW: 58.9 kDa