

Product datasheet for **VC101787**

L2 (NC_012486) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_012486) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101787 represents NCBI reference of YP_002756550 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACAAGCGAAGCGGGTGAACGGGATACAGTGGAGAACATTTACCGCAATGTAAATTTCCGGCA
 CATGTCCCAGTACGCTAGTGAATAAGGTGGAACAAAACACACTGGCCGACATCCTCTTAAAAATTTTGG
 CTCAGTAATCTACCTCGGTGGCCTTGGTATAGGGTCCGGATCCGGAGCTGGGGCTACAGGCTTCCGCCCA
 ATAAGTGAAGAACATACCACTGGAAACACTTCCACCTATTGACCCAATCCCAGATTCGACATCCCAGTGG
 TCAGGCCAGCAGACCAACACGCCCTTTCGGTAGCAACACCTTCGGTACACGGATCGACCCTATCGGATC
 CGCTGAAATCGCCCCGACCCGTCGACCCACAGGGCCCTGCGATCGTACCTTTGAACGAGGGAGGTCTC
 CCCGATAGCACGATCATCTCTACGGGCGCCGGCCAGGAACGGGAATTTTCAGACTACGAAATCCTGACTA
 CCACGGACGTCTTGAAGACCTGTCTACGGTTAACGGCCACCAACCGTCTGCACGGCCAGGAAGACAT
 CGCTATCCTCCAGGTCACTCCACCAGATCCAATACCCCTCGCCTTGCTTTTAAAAACCAAGAGAGGCT
 AATGCCGTTGTGATCGAGTCTAGTGTGCCACCACCGGAGTTTCTGAACGTGTACGTGGATCCCAGCTACA
 CCGAATCCAGGTTGGAGAGGAAATGAGTTGGAACCCATCAATACAATAGCCGAGTTTGAATTTGAAGA
 GAATATCCCAGGACCTCCACCCTGCCCGGTTCTGGACTCAGCTGTTAAGAGGGTGGCGGGCCTTTAC
 AATCGGATCGTTGACCAAGTCCACCAGGAATATTGATTTTCTGGACAGCCGAGTTCGAGCAATCCTTT
 TTGAATACGACAATCCTGCATTTGATAACGACATTACATTGACATTGAGCGCGACCTCCAGGAAGTTGC
 AGCGGCTCCTGACGCAGCCTTTACAGACGTGATCCAATTGGACAGGCCGATTTATTCTGAGACCAAGGAG
 GGACTGGTGGGTTTTCCAGACTGGGGACGAAAGGCAAAATCAGCACAGGTCAGGAAACATACTGACCC
 AGAAGGTCCATTACCATTATGATATCAGCCGATTTCCACAATCGTCGAGGAGATTGAGTTGCAACCTAT
 CCATGACACTTCTGACATGCTCACAATCGTCGACGAGCTCAGCCATAACACATTCATCAATCCGGTCTTT
 GAGGATAACTTTCCAATTGAAACACTGGACGATGACTTTACCGAATCATTGCTGATAGTCAGCTGGCAA
 TCTTGGACGCAGAGGAGAATGAAAACATTATTGTGCCACTCTGGTATCAGACATCTCCCCTAAGGTGGT
 AAGCTCTGATTATTTAGCACATTCACTTCAATCGGCACAACCACGTACCCTGACATCCCCTGAACACT
 AATAGTATCCCATACCCCCAGTATCTACATCGACCCCTTCGGGTCAGATTTCTATTTGCATCCTGCC
 TTCTGAAGCGGCAAAAAGGAAATACTCTGAAATATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101787 representing YP_002756550
 Red=Cloning sites Green=Tags

MYKAKRVKRDVVENIYRQCKISGTCPPDDVVKVEQNTLADILLKIFGFSVIYLGGLIGSGSGAGATGFRP
 ITENIPLLETLPPIDPIPDSIPVVRPSRPTRFPGSNTFGTRIDPIGSAANRPRPVDPQGPVPLNEGGL
 PDSTIIISTGAGPGTGISDYEILTTTDFVEDLSTVNGHPTVLHGQEDIAILQVTPDPPIPPRALAFENPREA
 NAVVIESSVPPPEFLNVYVDPSTYGIQVGEIELEPINTIAEFEIEENIPRTSTPARVLDSAVKRVRLY
 NRIVDQVATRNIDFLGQPSRAILFEYDNPFDNDITLTFERDLQEVAAPDAAFTDVIQLDRPIYSETKE
 GLVRF SRLGKIGKISTRSGNILTQKVHYHYDISPISTIVEEIELQPIHDTSDMLTIVDEL SHNTFINPVF
 EDNFPIETLDDDFTESFADSQLAILDAEENENIIVPTLVSDISP KVVSSDYFSTFTSIGTTTTYDPIPLNT
 NSIPYTPVIYIDPFGSDFYLHPALLKRRRKYSEIF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_012486

ORF Size: 1578 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_012486.1, YP_002756550](#)

RefSeq ORF: 1578 bp

Locus ID: 7701323

MW: 57.9 kDa