

Product datasheet for **VC102005**

L2 (NC_001595) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001595) 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 VC102005 represents NCBI reference of NP_041858 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGAGCAGCAGGCCAGAAGACGCAAGAGAGCATCTGCAACCCAGCTGTACCAGACCTGCAAAGCAG
CCGGCACCTGTCCCCAGACGTGGTAAACAAAGTGAACAGACCACTGTAGCAGATCAGATTCTTAAATG
GGGGTCCATGGGAGTGTTTTTCGGCGGTCTGGGTATCGGGTCTGGGTGAGGCAGCGGGGGCAGGGCGGGA
TATGTGCCACTGTCAACAGGGAGTAGAGCGATCCCGCCTAAGTCTCTCGCCCCGACGTCATCGCCAGGC
CGCCTGTTGTCGTAGACACGGTGGCCCCCTACCGATCCATCAATCGTGTCACTCATAGAGGAGTCTTCTAT
AATCCAAAGCGCGCCCCCTTCTCCGGTGATTCTACTGAGGGCGGCTTCTCAATTACGTCTAGCGGCACC
GATGTGCCTGCTATTCTTGATATATCCTCCACCAATACAGTGCACGTGACCAGCACAACCCACCACAATC
CTATTTTTACGGACCCTAGCGTGGTGAACCAATTCACCCGTGGAAGCTTCTGGCCGATTATTGTGTC
TCATAGCTCCATCACGACAGGCGCCGCGGAGGAAATCCAATGGACACTTTCGTGCTACACAGTGATCCC
CTGAGCTCAACACCTGTGCCTGGAGTGAGCGCCCCGCCCAAGGTCGGACTTTACAGTAAAGCCCTCCAAC
AGGTCGAGATTGTGGATCCCCTTTATGAGCACACCCAGCGCCTGATCACATACGACAATCCTGTATT
CGATAACATTGAGGACACGCTTCATTTTGAACAGCCATCTATTCACAATGCCCGGATCCCGCTTTCATG
GATATCATTACTCTGCACAGACCAGCGTACTTCACGCCGCGGTGTAGTGCCTTCAGTAGAGTGGGGC
AGAGGGGTACAATGTATACTCGACGGGGCACACGAATGGTGGCCGGTGCATCTCTTAAAGGACATCAG
TCCTATCGCTAGTCTGAAGAAATCGAGTTGCACCCATTGGTTGCCTCACCTAACAATTCAGATCTCTTT
GACGTGTACGCGGATATCGACGATATCGATGAAAATATTTGTACAGTACCATCGACAATAACACCCCAA
CGAGTACTTACTCCCTTTATCCAGGAAATTCAACTCGAATAGCAAACACTAGCATTCTCTCGCTACTAT
CCCCGACACGTTCTTGACTAGTGGCCCGGACATTGCTTTCTAGCGTCCCTGCCGGAACACCCTATTTG
CCTGTCTCCCCAGTATACCAGCCATCAGCGTTCTGATCAGAGGCACCGATTACTACCTGAATCCCGCCT
ATTATTTAGGAAAAGACGGAAGCGCATCTGGCATACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102005 representing NP_041858

Red=Cloning sites Green=Tags

MVSSRRRRKRASATQLYQTCKAAGTCPPDVVVKVEQTTVADQILKWGSMGVFFGGLGIGSGSGSRRAG
YVPLSTGSRAIPPKSLAPDVIARPPVVVDVAPTDPISIVSLIEESSIIQSGAPSPVIPTEGGFSITSSGT
DVPAILDISSTNTVHVTSTHHNPIFTDPSVVQPIPPVEASGRIIVSHSSITTGAAEEIPMDTFVHSDP
LSSTPVPVGSARPKVGLYSKALQQVEIVDPTFMSTPQRLITYDNPVFDNIEDTLHFEQPSIHNAPDPAFM
DIITLHRPALTSRRGVVRF SRVQQRGMYTRRGTRIGGRVHFFKDISPIASSEEIELHPLVASPNNSDLF
DVIADIDDIDENILYSTIDNNTPTSTYSLYPGNSTRIANTSIPLATIPDFTLTSRPDIVFSPVAGTPYL
PVSPSIPAVISVLRGTDYYLNPAYYFRKRRKRILAY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NC_001595

ORF Size: 1368 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_001595.1](#), [NP_041858](#)

RefSeq ORF: 1368 bp

Locus ID: 1489475

MW: 49.0 kDa