

Product datasheet for **VC101877**

L2 (NC_014954) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_014954) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L2
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 VC101877 represents NCBI reference of YP_004169282 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTAAGATTAGACGGAACGCGCTAGCCCTCCGATCTGTACAATACATGCCTGCAAGCGGGGACT
 CGTCCCAGGACGTTAAGAACAAGTTTGAATAACACAATTGCGGATTGGCTCCTGAAGATCTTTGGATC
 AATCGTGTATTTGGCAACCTCGGGATCGGTACCGGACGGGGAAGTGGTGGCTCTTCGGCTACGCCCA
 TTCGGCTCTGCAACGCTGGAACCTATTCAAGAACTCCAATCACAAGGCCTAATGTTGTGATCGAGC
 CAATAGGCCAACGCCTATAATTCCTGTAGAGCCAGGGCCAGCAGCATTGTACCACTGGTGAAGGAAC
 CCCCAGATATCTTTCATCAGTCCCGATGCCGGCCCTGGTGTGGGGGTGAGGATATCGAACTCTCACA
 ATCTCTGACCCTACCCGGGACATTGGCGGGTGGGGGTGGACCCACGGTAACTCTACTGAGGAGAGTG
 AAACAACAATTATCGACGCTTTCTTCCAGCCGGGCCAAAGCAAGTGTCTATGACGCCGCGACTAA
 TATCACGTTGAAACGCAGATTAATCCCTTCATCAATGCTGATATAAATAATACAATATCTTCGTTGAC
 ACTACCATAGCCGGGAAACAGTTGGAGACCCATCTTTGAGAACATTCCTCTTGAGCGCCTGGATCTGC
 AGGAATTCGAGATCGAAGAACCGCTACCGAGTCTACTCCGTCCTGCTTTGGCCGAGCATTCAACCG
 CGCCAGAGATCTCTACTCCCGTTCATCGAGCAGGTGCCTATCACTGAACCCGAATTTCTGGTTCAGCCC
 TCCAGATTGGTACAGTTCGAATCCGAGAACCCCGATTCGATCCAGATGTCTCCCTTGCAATTTGAGCAG
 ATGTGGCTGAGCTGCAGGCTGCCCCAGCTCAGAATTTGCCGACATTATCCGCTGTCTCGCCCTAGACT
 GACAGCCACTGTTGAGGGGACCGTTAGGGTGGCAGGCTGGGGACAAGGGCAGCTCTGACTACCCGGTCT
 GGTCTGACTGTCCGCCACAGGTCCTCTATATGGACCTGTCCGAGATCGCCGCGCGAAAAATATCG
 AGATGCTTCCGATAGCGGAGTATAGCCAGGAGTCTACAGTGGTGGATGATCTGCTTGCACACACTGTGAT
 CGATGACGTGGCAAACGCTGCAAACATTAATTACACTGAGGCTGACCTGGAAGATCTGCTGAGTGAGCAG
 TTCAATAACTCCACATAGTCGTGACTTCTACCACAGAGGAGGGGAGACCCTGAATATACCAACCTGC
 CCCCCAACGCCGTGCTCAAAGTGTGTCCAGACGTGGGAGATGGCCTCTTTGTGGCTACGGAGTGGA
 TACAGCATCCAACACAAATATCGTGTGCCAATAACCTGCCGTCGAGCCCTCTCTATAATCACAGAC
 TCTCATGACTTTGAGCTCACCCCTGCCCTTTGGCCGAGAAACGCAGACGATTGGACCTTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101877 representing YP_004169282
 Red=Cloning sites Green=Tags

MSKIRRRASPSDLYNTCLQGGDCVPDVKNKFENNTIADWLLKIFGSIVYFNLGIGTGRGTGGLFGYRP
 FGSANAGKPIQLPITRPNVIEPIGPTPIIPVEPGASSIVPLVEGTPDISFISPDAGPGVGGEDIELFT
 ISDPTRDIGVGGPTVISTEESETTIIDAFSPAGPKQVFYDAATNITLETQINPFINADINNTNIFVD
 TTIAGETVGDPSFENIPLERLDLQEFIEIEPPTSTPVTAFGRAFNARDLYSRFIEQVPIEPEFLVQP
 SRLVQFESENPAFDPDVSLAFEHDVAELQAAPSEFADIIRL SRPRLTATVEGTVRVSRLGTRAAITTRS
 GLTVGPQVHFYMDLSEIAAAENIEMLPIDAEYSHESTVVDLLAHTVIDDVANAANINYTEADLEDLLSEQ
 FNNSHIVVTSTEEGETLNIPTLPPNAVLKVFVDPVGDGLFVAYGVDTASNTNIVLNNLPVEPSLIITD
 SHDFELHPALWPRKRRRLDLF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_014954

ORF Size: 1533 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_014954.1, YP_004169282](#)

RefSeq ORF: 1533 bp

Locus ID: 10146740

MW: 55.4 kDa