

Product datasheet for **VC101974**

L2 (NC_001593) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001593) 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 VC101974 represents NCBI reference of NP_041847 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCCCATCGCGCAAGACGCAGAAAGAGAGCCTCTGCCACGCAGCTGTACCAGACGTGAAGCAAA
GTGGGACCTGCCCGAGGATGTCATAAATAAGATCGAACATAAAACCTGGGCCGACAAAATCCTGCAGTG
GGGGTCCCTTTTACATTCTTCGGTGGACTCGGGATTGGAACCGGGAGTGGCACCGGCGGTAGAAGTGA
TATATCCCACTCGGGACTAGACCCAGTACCGTGGTTGACGTGACACCCGCTCGGCCCTATCGTGGTGG
AGTCAGTGGGACCGACCCATCCATTGTTACGCTGGTGAAGAAAGTTCTGTCATCGAGTCAGGAGC
CTCCTTCCCAAATTTACAGGGACCGCCGTTTGGAGTGACCTCCTTCTACTACGACACCAGCCGTG
CTCGACATCACACCTACATCCACCAGCGTCCACGTGTCATCCACAACATACACGAACCCTACCTTTGTAG
ATCCCCCTGTGATTGAAGTCCCCAGACCGGTGAAGTGAAGTGGTAAATATCCTGATCTCAACCCTACGTC
AGGAGTACACAGCTACGAAGAGATTCCAATGCAGACGTTTGCCCGTGAAGGCACGGGAACGAGCCAATT
AGCAGCACCCCAATTCAGGGCTGCGGAGAATCGCTGCTCCAGGCTGTATAAGAAGGCTTTCAGCAAG
TCAAGGTGACAGACCCAGCGTTCCTCCACAAACCTGAGACACTGATTAACGTGGACAACCCTATCTTCCA
GAATGCCGACACCACCCTCACTTCTCCCCAGCGCGTGGCACCTGATCCCGATTTTCTGGACATTGTA
GCCCTGCACCGCCCGCATTCACTACTAGGCGGGGGAGTGGGTTGACAGGCTTGAACCAAGGCGA
CTATGAGAACCGCGTCTGGCAACAAATCGGCGGAGAGTACATTACTACTATGACGTATCTCCAATCAC
CCAGACAGAAGAAATCGAAATGCAGCCTCTGCTGTCCACGGACAACACATTGACGGTCTGTACGATAC
TATGCCAATCGACGATGAGGCTCCCGTTAGCAGCCGTTCTCCATTGCCACCCAAGCCGCTCCCAA
CAAACACTGTGCCACTGTCTTCTCCGGCTCTACCAGCAACGTTACGATACCTTTCCGGGACCTCCTGGGA
CGTTCCACTACTCAGGGCCGGATGTCGTCCTGCCAACCGCCACCTACCTGGCCCTACGCGCCACAG
TCTCCGTTGATACCCACGATGTGGTATTAGGGGAGCACTTTCGCGTTGTGGCCAGTGTACTTTC
TCAAAAGAAGGCGAAGGAAAAGGATCCCTTACTTCTCGCAGACGGTGGCGTGGCCGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101974 representing NP_041847

Red=Cloning sites Green=Tags

MVAHRARRRKRASATQLYQTCQSGTGPCEDVINKIEHKTWADKILQWGS�FTFFGGLGIGTSGTGGRTG
YIPLGTRPSTVVDVTPARPPIVVESVGPDPSPVIVLVEESSVIESGAFPNFTGTAGFEVTSSTTTPAV
LDITPTSTSVHVSSTTYNPTFVDPPIEVPQTGEVSGNILISTPTSGVHSYEEIPMQTFVAVQGTGNEPI
SSTPIPLRRIAAPRLYKKAFFQVKVTDPAFLHKPETLINVDNPIFQNAQTLLTFSPSGVAPDPDFLDIV
ALHRPAFTTRGGVRF SRLGKATMRTRSGKQIGARVHYYYDVSPITQTEEIEMQPLLSTDNTFDGLYDI
YANIDDEAPVSSRF SIATPSRLPTNTVPLSFSGSTSNVTIPFGTSWDVPIYSGPDVVLPTGPPTWPYAPQ
SPFDTHDVVIQGSTFALWPVYFLKRRRRKRIPYFLADGGVAA

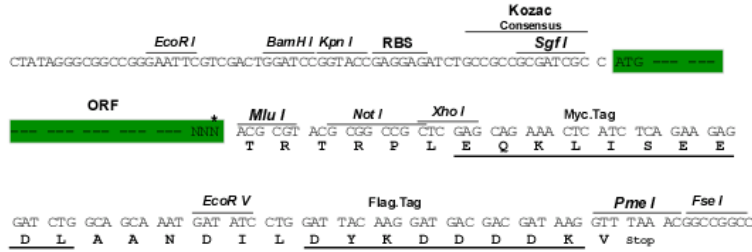
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NC_001593

ORF Size: 1389 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_001593.1](#), [NP_041847](#)

RefSeq ORF: 1389 bp

Locus ID: 1489467

MW: 50.1 kDa