

Product datasheet for **VC102026**

L2 (NC_004104) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_004104) 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 VC102026 represents NCBI reference of NP_671508 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCATCGAAGTAAAAGGAGAAAACGAGCCTCCGCAACACAGCTGTACCAGACGTGCAAACCTGCGAGGCA
CATGCCCTTCCGACGTTATCAATAAGGTAGAGCACACCACTCTTGCTGACAAGATATTGCAGTGGGGATC
TCTGGGTGTGTTCTCGGAGGCTTGGGTATAGGGACAGGCTCTGGAACCGGAGGGCGGACAGGCTACATC
CCCATAGGAACACGACCACCTACCGTGGTTGACGTAGGCCCGCCCGCAGGCCTCCCGTGGTAATAGAGC
CAGTAGGCGCCTCAGATCCAGCATCGTGACTTTGGTGGAGGATAGCAGCATAATCGCAAGTGGTTCTCC
ACACCCGACATTCACAGGAACAGGGGGCTTTGAGGTGACCACCGCTCTACGACAACCCCTGCCGTGCTG
GATATCACTCCTTCTGGGGCAATGTTCAAGTAAGTCCAGCTCTTTTATAACCCCTTGTCCACGAGC
CAGCCATCGTCGAACCGCCACAAGCCGGGAGGTGACCGGGCACGTCCTTGTGAGTACTCCTACCGCGGG
TTCCCACGGCTATGAGGAGATCCCATGCAGACTTTTGCTGTGAGGGGACTGGGGATGAGCCGATTATC
TCCACACCACTGCCTGGGGTCAAGAGGGTGGCTGGTCCGCGGCTGTACAGTAGGGCGTATCAGCAGGTCC
ATGTCCAGGACCCGAGGTTTCTGAGTCAGCCAGAAACGCTGGTCCACATATGACAACCCCTGTGTTGACAC
AGAGGAAACTATCCTTTTGGAGCACCTTCCATCCATCAGGTGCCGATCCTGATTTCTGGATATTGTG
GCTCTCCATCGGCCAGCTCTCACAGCCAGGCGAGGCACAGTGGGATACTCAAGACTTGGTCAAGAGCAA
CCCTTAAGACCCGAAGCGGCAAGAGGATTGGGGCAACTGTTCACTTCTACCAGGACCTTTCCCCATAGC
TCCAGTCGCTGACGAGCTTGAGATGCAACCCCTCGTATCCGACACTCCCGATTACCTGGACAGTCTTTAT
GACATACGCTGACACTGCTTTCAGTGAGCCGGCACCGAACCCCTACGCCCTACACGGCCATCCACCCCCC
TGCAAGCACCCCTCCGTAACCGCATCTTCTGCCCTGAGCTCTGCTGCTAGCAATACTACAGTGCCTCTGAG
CACCGGCCTGGATATACAGTCTTCTCCGACCAGATTCTGCCTTGCAGGATTCTCATGCAGTGTGGCCT
GTGCCGCTGCCACCCCGGTGTGTCCCGGACGCTCCTGGTGAACGGGTCTACATACTATCTTCTGCTC
CTCCTCTCGGTCTCTGCCAAAAAACGAAACGCTTCCCGTACTTCTTCGACAGCGAAATGTCGAAGC
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102026 representing NP_671508

Red=Cloning sites Green=Tags

MHRSKRRKRASATQLYQTCKLAGTSPDVINKVEHTTLADKILQWGS LGVFFGGLGIGTGS GTGGRTGYI
PIGTRPPTVVDVGPPARPPVIEPVGASDPSIVTLVEDSSIIASGSPHPTFTGTGGFEVTTASTTTPAVL
DITPSGGNVQVSSSFINPLFTEPAIVEPPQAGEVTGHV LVSTPTAGSHGYEEIPMQTF AVRGTGDEPII
STPLPGVRRVAGPRLYSRAYQQVHVQDPRFLSQPETLVYDNPVFDTEETILFEHPSIHQVPDPDFLDIV
ALHRPALTARRGTVRYSLRQQRATLKRSGKRIGATVHFYQDLSP IAPVADELEMQPLVSDTPDYLD SLY
DIYADTASVSRHRTLTPTRPSTPLQAPSVTASSALSSAASNTTVPLSTGLDIPVFS GPDSALPDSHAWP
VPPAPPGVVPVSVLVNGSTYYLLPPLGLLPKKRKRFYPYFFADGNVEA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_004104

ORF Size: 1401 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_004104.1](#), [NP_671508](#)

RefSeq ORF: 1401 bp

Locus ID: 951490

MW: 49.6 kDa