

Product datasheet for **VC100264**

L2 (NC_001460) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001460) 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 VC100264 represents NCBI reference of NP_040920 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGAGAGCAGTCGAACCTTCAGACAGTGGCCTTCCCGAAACACCCCTCCTAGTTACGAAACAGTAA
 TGGCTGCGGCCCCCTTATGTGCCGCAAGATACCTCGGACCAACAGAGGGGAGGAATAGCATCCGATA
 TTCTGAACTGTCACCTTTGTACGATACCACACGGGTCTACCTGGTGGATAACAAATCCAGCGATATCGCT
 TCACTGAACTACCAGAACGATCAGACAACTTTCTCACAACGTGGTGCAGAATAATGATTACTCTCCGA
 TCGAAGCTGGGACACAGACCATCAACTTCGATGAACGGAGCAGATGGGGCGGGATTTGAAAACAATTCT
 GCACACGAACATGCCTAATGTCAACGACTTCATGTTTACAACAAAGTTCAAGGCCAGGTAATGGTCGCC
 AGAAAACTAACAAATGAAGGGCAAATATCCTCGAGTACGAATGGGCCGAATTTGCTTGGCCGAGGGGA
 ATTACAGTGAAACAATGACCATTGATCTTATGAATAATGCCATTATTGAACACTATCTCCGCGTGGGCAG
 ACAGCATGGCGTTTTGGAAAGCGATATCCGGTAAAGTTTGATACAAGAACTTCAGACTGGGGTGGGAC
 CCAGAGACCCAGCTCGTAACCCCTGGGGTATACACCAACGAAGCGTTTCATCCCGACATCGTATTGCTTC
 CCGGTTGTGGGGTTGATTTTACAGAGTCCAGACTGTCTAATACTCGGCATTAGGAAAAGGCAGCCCTT
 TCAAGAGGGCTTCGTCATTATGTATGAACATCTCGAGGGCGGTAACATCCCCGCACTCCTCGACGTCAAG
 AAGTACGAGAACAGCCTTCAGGACCAGAACACAGTACGAGGGGATAACTTCATCGCTTGAACAAGGCTG
 CAAGGATTGAACAGTAGAGACAGACCCCAAGGGGAGGAGCTACAACCTTCTGCCAGACAAGAAGATAC
 GAAGTACAGGTCATGGTATCTGGCGTACAATTATGGGGATCCGGAAAAGGGAGTGAGTCTGGACTTTG
 TTGACGACCCCTGATGTCACAGGGGTAGTGAGCAGGTCTACTGGAGTCTGCCGATATGATGCAGGACC
 CAGTGACATTTTCGCTCCTCCCGCAGGTAAGTAACTACCCTGTTGTCGCCGCGGAGCTGCTGCCAGTTCA
 CGCCAAATCCTTCTACAATGAGCAGGCTGTCTACTCACAGCTGATACGCCAGTCTACCGCCCTACAAGA
 GTGTTCAACCGCTTCCCAGAGAATCAAATCCTGGTCCAGACCTCCGGCCGCTACAATTACTACAGTAAGTG
 AGAACGTTCCAGCGCTGACAGATCACGGTACGCTTCCCCTTAGGTCTTCTATCTCTGGAGTTCAGAGGGT
 GACAATCACGGACGCCCGGAGACGCACCTGTCCATACGTCTACAAGGCCCTCGGTATTGTTTCTCCAGG
 GTGCTGTCCAGTAGGACTTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100264 representing NP_040920
 Red=Cloning sites Green=Tags

MRRAVELQTVAFPETPPPSYETVMAAPPYVPPRYLGPTEGRNSIRYSELSPLYDTTRVYLVNDKSSDIA
 SLNYQNDHSNFLTTVVQNDYSPIEAGTQTINFDESRWGGDLKTI LHTNMPNVNDFMFTTKFKARVMVA
 RKTNNEGQTILEYEWAEFVLPENYSETMTIDL MNNAIIEHYLRVGRQHGVLESIDIGVKFDTRNFRLLGWD
 PETQLVTPGVYTNEAFHPDIVLLPGCGVDFTESRLSNILGIRKQPFQEGFVIMYEHLEGNIPALLDVK
 KYENSLQDQNTVRGDNFIALNKAARIEPVETDPKGRSYNLLPDKKNTKYRSWYLAYNYGDPEKGVRSWTL
 LTPDVTGGSEQVYWSLPDMMQDPVTFRSSRQVSNYPVVAEELLPVHAKSFYNEQAVYSQLIRQSTALTR
 VFNRFPENQILVRPPAATITTVSENPALTDHGTLP LRSISGVQRVTITDARRRTPYVYKALGIVSPR
 VLSSRTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001460

ORF Size: 1491 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_001460.1, NP_040920](#)

RefSeq ORF: 1491 bp

Locus ID: 1460868

MW: 56.4 kDa