OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for VC102012

L2 protein (NC_010329) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 protein (NC_010329) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L2 protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC102012 represents NCBI reference of YP_001672013 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACAAGACCCGGTCCAAACGGGATACCGCCGAGAACTTGTATCGGCATTGTAAAGCTACCGGAAACT
GTCCTCCTGATGTAGAGAATAAAATTGAAGGCAACACCCTCGCCGATCGGCTTCTGCGCATCTTTGGATC
AGTCATCTATCTTGGCGGCCTTGGCCTGGGTACAGGGGAAGGAACCACAGGTATCCGACCCATTGAGGCC
CCTGTTGAGACCGTAAGGCCCGACATTACTGTGGAACGGCCCACCGTACGACCCCGGCCGCAGAGACCCA
CGACATTTGGCACCCCTATAGATCGGATCGGCTCTGCTGACATTACTCCTAATGTCGTGAAACCCACTGA
GAGTTCCATCGTGCCATTGAATGAGAGTGGCATTCCTGATCCCACTATTATCGATTCCGCTACGGGGGGT
GGAGAAGGGTTGGGGGAATACGATATTCTTACAACTGTGGACCCCAATGAAACACTGGGCGCTACCGGCG
GTCACCCAACAACTAGCGGGACTCTGAATAATGAGACGGCGATCCTGGACATTTCACCATATGAGCCACC
CCCAAAAAGATTTGCTCTGGCACCTAGCGTTCACGCTGAAGCAGACATTACCATCATTGAGTCATCACTT
CCCACAGAAAGCAACATTAATGTGTTTGTGGACGCCAACATTACTGGGGAGATCGTGGGGGAGGAAATTC
CCCTCGAGCCAATCAACAGTATCGAAGAATTCGAAATTGAGGCCGGCAGACAGACCTCCACACCTCGAGA
AGCTGTCGAAAGGTTCCTCGGCAGAGCCAGAAGTCTCTACAACCGCTACATCCAACAGATCCGCACCGAT
AATGTGGACTTCCTCACGCGGCCTTCACGCGCTGTGCAGTTCGAATTTGAAAATCCAGCTTTCACCGGAG
ACGTCAGCCTGGAATTCGCAAGGGACGTGGCAGAAATCACCGCAGCACCCGATCCCGATTTTGCCGACAT
AATCCGACTTGGCCGGCCAATATTCTCCGAAACTCCCGGAGGTACAGTGCGAGTGAGCCGGCTTGGCACA
AAAGGCGCCATCAGCACAAGATCCGGAACAATCATCGGACCACGGGTGCACTACTATTTTGATCTCTCCG
CCATTGAGCCCATCGAACCGGATGTAATCGAGCTCTCAAATTTGGGGGAGTTTAGTGGTGAATCCACTAT
AGTGGATTCTATTCTCAGCGGCCATACAGTGGATCCCATAGCACCCTTCGAATCAACCTTTTCAATTGCA
GACCTTGAGGACCCCCTTCTCGAGGATTTTAGCAACTCCCATTTGTTCGTTCATTTCGAGGAAGAAGATG
AATTGATTTCTGTGCCTACACTGCCTCCCGGAGCCGCAATCAAAGCTTTTGTAGATGATTATGCAGACAT
TATCGTGAGCTACCCCGAGATGGTGAACGTGAATAAAATTGAGATACCTGCTACTACTTTGGTTCCCTCC
GAGCCAGATATTCGGCTGGACTGGTTCAGCCCAGACTACGATCTGCACCCCAGCCTTCTGCGGCGGAGAA
GGAAGCGCAAGAGGAATATGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

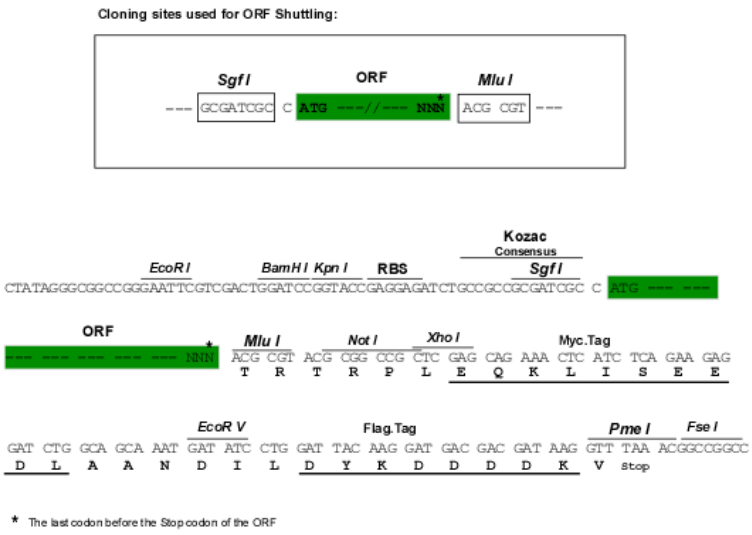
>VC102012 representing YP_001672013
Red=Cloning sites Green=Tags

MYKTRSKRDTAENLYRHCKATGNCPPDVENKIEGNTLADRLLRIFGSVIYLGGLGLGTGEGTTGIRPIEA
PVETVRPDITVERPTVRPRPQRPTTFGTPIDRIGSADITPNVVKPTESSIVPLNESGIPDPTIIDSATGG
GEGLGEYDILTTVDPNETLGATGGHPTTSGTLNNETAILDISPYEPPPKRFALAPSVHAEADITIIESSL
PTESNINVFVDANITGEIVGEEIPLEPINSIEEFEIEAGRQTSTPREAVERFLGRARSLYNRYIQQIRTD
NVDFLTRPSRAVQFEFENPAFTGDVSLEFARDVAEITAAPDPDFADIIRLGRPIFSETPGGTVRVSRLGT
KGAISTRSGTIIGPRVHYYFDLSAIEPIEPDVIELSNLGEFSGESTIVDSILSGHTVDPIAPFESTFSIA
DLEDPLLEDFSNSHLFVHFEEEDELISVPTLPPGAAIKAFVDDYADIIVSYPEMVNVNKIEIPATTLVPS
EPDIRLDWFSPDYDLHPSLLRRRRKRKRNMF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_010329

ORF Size: 1563 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_010329.1, YP_001672013

RefSeq ORF: 1563 bp

Locus ID: 5896665

MW: 57.1 kDa