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 VC101765

L2 (NC_001356) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001356) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101765 represents NCBI reference of NP_040308 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTATCGCCTGCGCCGAAAAAGAGCGGCCCCAAAGGACATTTACCCCTCTTGTAAGATTTCTAATACCT
GTCCTCCTGATATCCAAAACAAAATTGAACATACTACGATCGCGGATAAGATTTTGCAGTACGGATCTCT
TGGAGTGTTTCTCGGCGGACTTGGAATTGGCACAGCAAGAGGATCAGGCGGCCGGATCGGGTACACGCCC
CTGGGTGAGGGGGGGGGAGTCCGGGTCGCTACAAGACCCACCCCTGTGCGGCCAACTATCCCTGTAGAGA
CGGTAGGACCCAGTGAGATTTTTCCCATCGACGTGGTCGACCCCACCGGCCCCGCCGTGATACCCTTGCA
GGATCTGGGAAGGGACTTCCCCATCCCTACCGTGCAGGTGATCGCTGAAATTCATCCGATATCAGACATC
CCCAACATAGTTGCCTCTTCAACTAACGAAGGCGAAAGTGCTATTCTGGACGTCCTGCGAGGGAACGCAA
CCATCAGAACTGTGTCAAGAACACAGTATAATAATCCCTCATTCACTGTAGCTTCTACCTCAAACATTAG
CGCAGGAGAAGCTTCCACCTCTGACATAGTGTTTGTGAGCAACGGGTCTGGAGACCGCGTAGTCGGCGAG
GACATCCCTCTGGTCGAGCTGAACTTGGGCCTTGAGACGGATACCTCTTCCGTAGTCCAGGAAACAGCAT
TTAGTAGCTCAACCCCTATCGCCGAAAGACCATCCTTTCGACCTTCCAGATTCTACAATAGACGCCTGTA
CGAGCAAGTGCAGGTCCAGGATCCTCGCTTCGTGGAACAGCCCCAGAGCATGGTGACGTTCGACAATCCA
GCATTTGAGCCCGAACTTGACGAGGTTTCAATCATCTTTCAGCGCGACCTCGACGCCCTCGCCCAGACCC
CTGTCCCGGAATTTCGGGACGTCGTATATCTGTCAAAACCTACTTTTAGCCGCGAGCCTGGAGGAAGACT
CAGGGTATCCCGCCTGGGAAAATCATCCACGATTCGAACGAGGCTGGGCACCGCAATCGGGGCTCGGACT
CACTTCTTCTATGACCTTAGCAGTATTGCCCCTGAAGACAGTATCGAACTCCTGCCGCTGGGAGAGCACA
GCCAAACAACAGTAATCTCCTCCAACCTTGGCGACACCGCGTTTATCCAAGGAGAGACTGCCGAAGACGA
CCTGGAAGTTATAAGTTTGGAAACTCCTCAGCTCTACTCAGAGGAGGAACTGCTGGATACAAATGAGAGC
GTGGGCGAAAACTTGCAGCTCACCATTACCAACAGCGAGGGCGAGGTGTCAATTCTCGACCTGACCCAGT
CCAGGGTGCGCCCACCTTTCGGAACCGAGGATACCTCACTCCACGTGTACTACCCAAATAGTAGTAAGGG
AACTCCAATTATCAATCCTGAAGAATCATTCACACCACTGGTCATCATTGCCCTGAACAATAGCACCGGC
GATTTTGAACTTCATCCATCACTGAGGAAAAGGAGGAAGAGAGCTTACGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

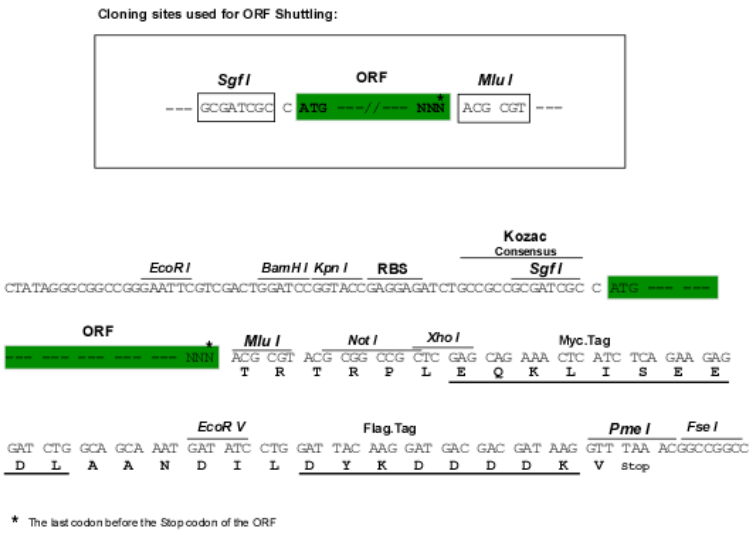
>VC101765 representing NP_040308
Red=Cloning sites Green=Tags

MYRLRRKRAAPKDIYPSCKISNTCPPDIQNKIEHTTIADKILQYGSLGVFLGGLGIGTARGSGGRIGYTP
LGEGGGVRVATRPTPVRPTIPVETVGPSEIFPIDVVDPTGPAVIPLQDLGRDFPIPTVQVIAEIHPISDI
PNIVASSTNEGESAILDVLRGNATIRTVSRTQYNNPSFTVASTSNISAGEASTSDIVFVSNGSGDRVVGE
DIPLVELNLGLETDTSSVVQETAFSSSTPIAERPSFRPSRFYNRRLYEQVQVQDPRFVEQPQSMVTFDNP
AFEPELDEVSIIFQRDLDALAQTPVPEFRDVVYLSKPTFSREPGGRLRVSRLGKSSTIRTRLGTAIGART
HFFYDLSSIAPEDSIELLPLGEHSQTTVISSNLGDTAFIQGETAEDDLEVISLETPQLYSEEELLDTNES
VGENLQLTITNSEGEVSILDLTQSRVRPPFGTEDTSLHVYYPNSSKGTPIINPEESFTPLVIIALNNSTG
DFELHPSLRKRRKRAYV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001356

ORF Size: 1521 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_001356.1, NP_040308

RefSeq ORF: 1521 bp

Locus ID: 1489172

MW: 55.3 kDa