

Product datasheet for **VC101999**

L2 (NC_001355) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001355) 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 VC101999 represents NCBI reference of NP_040303 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTCACTCTAGGGCGAGAAGGCGCAAGAGGGCATCTGCCACTCAACTCTATCAGACATGCAAACCTGA
 CCGGAACCTGTCCGCCCGACGTAATTCCAAAGTTGAGCATAATACAATCGCCGACCAGATCCTGAAATG
 GGGCTCACTCGGCGTGTCTTTGGAGGCCTCGGAATTGGAACAGGATCTGGTACAGGTGGTAGGACCGGT
 TATGTGCCTTTGCAGACCTCAGCAAAGCCTAGTATAACATCCGGCCCTATGGCCAGGCCACCCGTCGTCG
 TTGAGCCTGTGCGACCCTCTGATCCGTCTATTGTGTCCCTCATAGAAGAAAGTGCATAATCAATGCAGG
 GGGCCTGAGATAGTACCGCCTGCTCACGGAGTTTCACTATTACATCCAGCGAGACAACACACCTGCT
 ATACTTGATGTTCCGTGACCAGCCATAACAACACCTCAATTTCCGGAATCCTGTTTTACAGAGCCCA
 GCGTGACCAGCCTCAGCCACCAGTGAAGCCAATGGACACATCCTGATCTCTGCCCCACCGTCACCAG
 TCATCAAATCGAGGAGATACCTCTCGACTTTTGTGTCCTCCAGTGATTCTGGGCCTACCTCCTCC
 ACACCTGTCCCTGGAACGGCTCCACGGCCCCGCGTCGGGCTTACTCTCGGGCTCTCCACCAGGTGCAGG
 TGACCGACCCCGCTTTCTGTCAACCCCGCAGAGGCTCATCACTTATGACAATCCAGTTTACGAGGGCGA
 GGACGTTAGTGTGCGATTCTCCCATGACAGCATACATAACGCGCCTGACGAGGCCCTCATGGACATCATC
 CGCCTGCACCGGCCCGCCATCGCAAGCCCGCGGGTGGTCCGCTACTCACGCATCGGTGAGAGAGGGT
 CCATGCATACACGCTCTGAAAGCATATCGGCGCTCGCATTCACTATTTTATGACATCAGTCCAATCGC
 TCAGGCTGTGAGGAAATTGAGATGCACCTTTGGTCGCTGCACAAGACGACACTTTCGACATCTATGCC
 GAGTCATTTGAACCGGGATTAATCCGACCCAACACCTGTCAACAACATCTCAGACACATATCTGACCA
 GCACCCCAATACAGTGACCCAGCCCTGGGGCAACACGACTGTGCCTCTCTCACTCCCAACGACCTGTT
 CCTGCAGAGTGGCCTGATATTACTTTCCACCCTCGATGGGCACGCCCTTTCTCCCGTAACTCCA
 GCACTGCCAAGTGGCCAGTGTTCATCACAGGTCGGATTCTACCTGCACCCAGCATGGTACTTCGCC
 GGAAGCGACGCAACGAATACCGTTGTTTTCTCTGATGTGGCAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

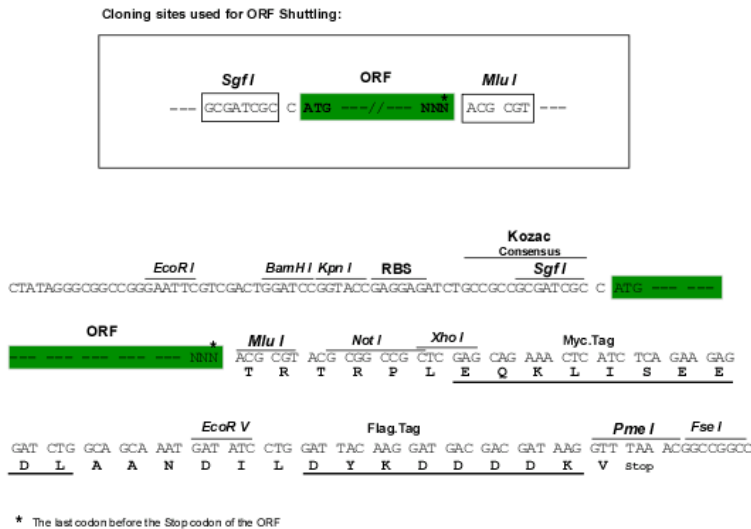
>VC101999 representing NP_040303
Red=Cloning sites **Green**=Tags

MAHSRARRRRKRASATQLYQTCCKLTGTCPPDVIPKVEHNTIADQILKWGSLGVFFGGLGIGTSGTGGRTG
 YVPLQTSAPKPSITSGPMARPPVVVEPVAPSDPSIVSLIEESAIINAGAPEIVPPAHGGFTITSSETTTTPA
 ILDVSVTSHTTTIFRNPVFTPEPVTQPPVEANGHILISAPVTSHPIEEIPLDTFVSSSDSGPTSS
 TPVPGTAPRPRVGLYSRALHQVQVTDPAFLSTPQRLITYDNPVYEGEDVSVQFSDHSIHNPDEAFMDII
 RLHRPAIASRRGLVRYSRIGQRGSMHTRSCHKIGARIHYFYDISPIAQAAEIEIEMHPLVAAQDDTFDIYA
 ESFEPGINPTQHPVTNISDTYLTSTPNTVTQPWGNTTVPLSLPNDLFLQSGPDITFPTAPMGTPFSPVTP
 ALPTGPVFITGSGFYLHPAWYFARKRRRIPLFFSDVAA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001355

ORF Size: 1377 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_001355.1](#), [NP_040303](#)

RefSeq ORF: 1377 bp

Locus ID: 1489371

MW: 49.4 kDa