

Product datasheet for **VC100378**

L2 (NC_001405) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_001405) 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 VC100378 represents NCBI reference of NP_040521 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCGGGCAGCGATGTACGAAGAAGGGCCACCTCCCTCCTATGAGAGTGTGGTTTCAGCCGCGCCAG
TGGCTGCAGCCCTTGGCAGCCATTTGATGCTCCCTTGACCCACCATTTCGTTCCACCCCGTACCTGCG
GCCGACAGGGCAGGAACTCCATCAGGTATCCGAACTGGCGCCACTGTTGACACCACTCGAGTGTAT
CTCGTTGATAATAAAAGCACAGATGTCGCATCTTAACTATCAGAACGACCACAGCAACTTCTGACTA
CAGTAATTCAGAACACGATTATAGTCCCGGAGAAGCCAGTACTCAAACAATCAATCTTGATGACCGGAG
CCATTGGGGCGCGATCTTAAACCATCTGCACACCAATATGCCCAATGTGAACGAGTTTATGTTTACC
AACAGTTCAAAGCTAGGGTGTGGTTAGTGAAGCCTGACTAAGGATAAGCAAGTGGAGCTGAAATATG
AGTGGGTTGAATTTACGCTGCCTGAGGGAACTACAGTGAGACAATGACTATCGACTGTGAATAACGC
TATTGTGGAACATTATCTGAAGGTGGGGCGCCAGAACGGGGTCTGGAGTCTGACATTGGCGTTAAATTC
GACACCCGAAACTTTTCGCTTGGCTTCGACCTGTCACTGGGCTGGTGTATGCCCGCGTCTATACGAACG
AGGCTTTCCACCCGACATCATCTGCTTCAGGCTGCGGGTAGATTTACGCATAGCCGACTGAGCAA
CCTCCTTGGCATCAGAAAACGACAGCCCTCCAGGAAGGATTCAGAAATCACCATGACGACCTTGAAGGG
GGCAACATCCCGCGCTTCTCGATGTTGATGCCTACCAGGCATCCCTGAAGGACGATACCGAGCAAGGGC
GCGATGGAGCTGGAGGAGGCAATAACAGTGGTTCAGGGCTGAAGAGAACAGCAACGCAGCTGCGGCAGC
CATGCAGCCAGTGAAGATATGAATGATCATGCAATCCGGGAGATACTTTTGAACACGCGCCGAGGAG
AAACGCGCCGAGGCTGAGGCTGCAGCCGAGGCGCCCGCCCGCTCAGCCAGAAGTGGAAAAACCC
AGAAGAAACCCGTGATCAAGCCACTGACAGAAGACTCTAAAAAGCGAAGTTATAATCTGATATCAAATGA
CAGCACCTTACCAGTACCGCTCCTGGTATCTGGCTACAACACTACGGGATCCTCAGACCGGAATTCGG
TCTTGGACACTTCTGTACTCCAGATGTACATGTGGCAGCAGCAAGTTTATTGGAGCTGCCGACA
TGATGCAGGATCCAGTGACGTTCCGGAGCAGGTCAGATCTCAAATTTCCCGTTGTTGGCGCGAGCT
GCTTCCCGTACACTCAAATCATTTTACAACGATCAAGCGGTACTCTCAGCTCATTGACAGTTTACA
AGCCTGACGCATGTTTTCAATCGATTCCAGAAAACAGATCTTGGAAGACCTCCAGCGCCACAATCA
CAACCGTAGCGAAAATGTCCAGCCCTACTGACCACGGGACTCCCTTGAGGAATTCATCGCGCG
CGTGCAGCGCTAACCATCACCGACGCTAGGCGGAGGACCTGTCCCTACGTGTACAAAGCGCTCGGGATT
GTGCCCCAGAGTGCTCAGTTCACGGACATTT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100378 representing NP_040521

Red=Cloning sites Green=Tags

MQRAAMYEEGPPPSYESVVAAPVAAALGSPFDAPLDPPFVPPRYLRPTGGRNSIRYSELAPLFDTRVY
LVDNKSTDVASLNYQNDHSNFLTIVIQNDYSPGEASTQTINLDDRSHWGGDLKTIILHTMNPVNEFMFT
NKFARVMVSRSLTKDKQVELKYEWVEFTLPEGNYSETMTIDL MNNAIVEHYLKVGRQNGVLESIDIGVKF
DTRNFRLGFDPVTLVMPGVYTNEAFHPDIILLPGCGVDFTHSRLSNLLGIRKRQPFQEGFRITYDDLEG
GNIPALLVDVAYQASLKDDTEQGGDGAGGGNNSGSGAEENSNAAMQPVEDMNDHAIRGDTFATRAEE
KRAEAEAAEAAPAAQPEVEKPKKPVIKPLTEDSKRSYNLISNDSTFTQYRSWYLAYNYGDPQTGIR
SWTLLCTPDVTCGSEQVYWSLPDMMQDPVTFRSTQISNFPVVGAE LLPVHSKSFYNDQAVYSQIRQFT
SLTHVFNRFENQILARPPAPTITVSENVPALTDHGLPLRNSIGGVQRVTITDARRRTPYVYKALGI
VSPRVLSRTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001405

ORF Size: 1713 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_001405.1, NP_040521](#)

RefSeq ORF: 1713 bp

Locus ID: 2652996

MW: 63.3 kDa