

Product datasheet for **VC101780**

L2 (NC_012485) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2 (NC_012485) 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 VC101780 represents NCBI reference of YP_002756543 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTCAGATATTCGCCGAAGCAACTAAACGGGATTCTGCGACCAACCTGTACAATCAGTGTGCGAA
 TAACTGGTAATTGTCCGGAGGACGTGAAAAATAAATAGAGGGGAATACTCTTGCCGATAAGCTTCTCAA
 GATTCTGAGCAGCATTGTCTACTTCGGCGGTTTGGGCATCGAACGGGCCGCGGGACGGGAGGTGCAACG
 GGATATAGACCTTTGGGAGGGGAGGGCGCGCGGTGGCGGGCGAGTAACACTGACGGCATTGTGATCC
 GACCTAACATCGTAGTGAACCTGTGGGACCTTCTGAGCTGGTGCCAATTGACGCCCTCAACCCCTCCTC
 CTCATCTGTCGTGCTATGGTAGAGTTGGACCTGAAATTGTCGTTCCCGATGCGATACCTGATATCAAC
 ACGGGCGAGCTCGATATCATCACACAGCCGACATCATCGACGTGACAGGGCCACGCTCAACACCCGCTG
 TATCCACCACCGCCGACGACTGCCGCGATAATCGAGGTGCAGCCGGCAGCCCCATTCCGAGGGCGAGT
 CGCCACCAAGCACTAGCCGCTTTTCCAACCAACATTTCGTCGCCACGACCGACACAGTTTCCCTGAAACC
 ACAAGCCTGGGGAATAACGTGTTTCATCGATGCGGCCACCGCGGTGAAGTTATCGGTGAAGAGATCCCCC
 TGGACACCTTCAACGAGCCTGAGGAATTCATATTGAAGAACCAGCCTACCCTCGGAGTTCCACCCCAAG
 GGCATTTTACGGGCTTTCTTTCGCGCACGGGAGCTCTACAATAGAAGGGTTTCGGCAGGTGATGACCCAG
 AACTTGAATTTTCTGACTCGGGCACCCAGGCTATTCAATTTAATTTGAGAATCCTGCATTTGACAACG
 ACATCACGCTTGAGTTCGAACAAGATGTTAATCAGCTGGCTGCCGCCGCCCGACCCAGACTTTGCGGA
 TATCATCAAATGCATAGGCCTGTTTTAGTGAGACGGTCGGAGGAAATATTCGGTTGTCACGGCTCGGC
 CAGAAGGGGACTATTCGCTGAGGTGAGGACCCAGATTGGTGAGACAGTGCATCTGATTGACATCT
 CTCTATAGAGAACGCCGATGCGATCGAGCTGTCGCTGCTGGGAGAGCATAGCGGAGACGCGACACTCAT
 CAATCCTGTGGCCGAGAGCACGTTTGTGGATGCTGAGAATTCAGACGCCCCCTCCTGTTCCCTGAAGAA
 GAACTGGTGGACGATCTGACCGAGGATTCTCTAATAGTCATGTGGTACTGAATACTGGATCCAGGCGCA
 GTATTCTTAACGTACCAACCTTGCCGAGAGGCGCCGCCCTTAAGGTGTTATCGACGATGTGGGGACGG
 TCTCTTTGTGAGTCACCCGACAAGTACCGACATGATTCCAGATAATTCATCCCCGCTTTCGACGTGCGC
 CCAAGCATCTTGATTAATGAGAGTTCAAGCGACGACTTCGTTCTGCACCCAAGCCATATCCCTCGACGAA
 AGCGCAAGCGCGCTACCCGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101780 representing YP_002756543
 Red=Cloning sites Green=Tags

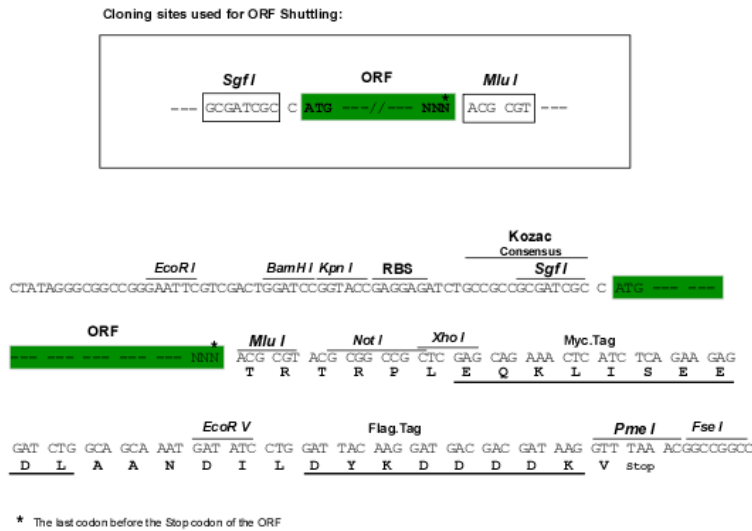
MTSDIPRKRTRKDSATNLYNQCRTGNCPEDVKNKIEGNTLADKLLKILSSIVYFGLGIGTGRGTGGAT
 GYRPLGGGGGGGGRVTTDGIIVIRPNIVVEPVGPSELVPIDALNPSSSSVPMVEVGPEIIVPDAIPDIN
 TGELDIIITQPDIIIDVTGPRSTPAVSTTADDTAAIEVQPAAPIPRRVATSTSRFSNPTFVATTDVLPET
 TSLGNNVFIDAATGGEVIGEEIPLDTFNEPEEFNIEEPAYPRSSTPRAFRAFFRARELYNRRVRQVMTQ
 NLNFLTTRAPQAIQFNENPAFDNDITLFEQDVNQLAAAAPDPDFADI IKLHRPVFSETVGGNIRLSRLG
 QKGTIRLRSGTQIGETVHLYYDISSIEENADAIELSVLGEHSGDATLINPVAESTFVDAENSAPLLFPEE
 ELVDDLTEDFSNSHVVLNTGSRRSILNVPTLPRGAALKVFIDVDGDLFVSHPTSDMIPDNFIPAFDVG
 PSILINESSDDFVLHPSHIPRRKRKRAYPF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_012485

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_012485.1, YP_002756543](#)

RefSeq ORF: 1563 bp

Locus ID: 7701332

MW: 56.2 kDa