

Product datasheet for **VC100271**

L4 (NC_001460) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L4 (NC_001460) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L4
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 VC100271 represents NCBI reference of NP_040927 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGATCTGGAACCTCAAGAATCCCTGACTGCGCCCACGGCTCTGCGATCGGACAAACAGCTGTGA
TGGAGAAAGACAAGTCTCTGCTCATCCACAGGATGCACCCGTGGAGCAGAATCTGGGGTATGAACTCC
CCCTGAGGAGTTTGAAGGCTTCCAGATCCAAAAGCAGCCAAATGAACAGAACGCAGGGCTCGAGGAC
CATGACTACTGAATGAGGGTGTGTGTTGTTAAACATCTGCAGAGACAGAGCACCATTGTGAGGGACG
CCATTTACAGACCGGTCTCAATCCAGTTAGCATCGCAGAACTCTCATGTATCTATGAGCGCAATCTCTT
CAGCCCTCGCGTGCCACCAAGAGGCAGGCTAACGGGACTGTGAGCCTAATCCAGGCTAATTTCTAC
CCCGTGTTCGCCGTTCCCGAGGCTCTGGCCACTTACCATATCTTCTTTAAGAACCACAAGATTCCGCTCA
GCTGTAGAGCAAATAGGTCTCGCGCGGACGAACCTCTGGCGCTGCGCGGGGTGCTAGCATCCCTGGAAT
AGTTTCACCTTGTAGGAGGTGCCTAAAATTTTTGAAGGCCTTGGACGCGACGAAAAACGCGCCGAAACGCT
CTTCAGAAAGAAAATGAACAGAATCACCACGGGAACTCAGCACTCATAGAACTTGAAGGAGACAACGCC
GATTGGCAGTACTGAAGAGGAACATCGAGGTTACACACTTTGCATACCCTGCCGTGAACCTCCCACCTAA
GGTAATGTGACCCGTGATGAACCAAGTTCATCAAGAGGGCGCAGCCTATCGATAAAGACGCGAACCTG
CAGGACCCGGAAGCCACAGACGATGGCAAACCCGTCGTTTCAGACGAGCAGCTGACGAAGTGGTTGGCA
CCGACAATTCTAATGAGCTTCAGCAGCGACGAAATGATGATGGCAGCGGTGCTGTGACAGTGGAGCT
CGAATGTATGCATCGGTTTTTCAGCGATATAACTACACTGCGCAAGATCGAGGAGTGTCTGCATTATACT
TTTCGGCATGGCTACGTTAGGCAGGCGTCAAGATCTCAAACGTCGAGCTTCTAATTTGGTCTCTTATA
TGGGTATTCTGCACGAAAATCGACTGGGACAGAATGTCCTTCATTCAACTTTGAGGGATGAAGCCCGCCG
CGACTACGTCAGAGACTGCATTTACCTGTTTCTGCTCCACACATGGCAGACTGGTATGGGAGTTTGGCAG
CAGTGCCTCGAGGAAAAGAACCTTAGGGAACCAACAAGTTGCTCGATCGCGCTTGAAGAGTCTGTGGA
CTGGATTGATGAAAGAACGGTAGCTGCAGAACTCGCAGATATTATTTCCCGAGAGGCTGATGATTAC
CCTTCAGAACGGCCTCCAGACTTCATGTCCAGAGCATGCTGCATAATTACCGGAGTTTATCCTGGAG
CGAAGTGGCATGTTGCCTTCAATGTGCTGTGCCTTGCCTAGTGATTTTGTGCCAATTTACTTTCGCGAAT
GCCCGCCCTCTGTGGAGCCACTGCTACCTTCTGAGACTGGCTAATTACCTCGCTTACTACTCAGATTT
GATGACTGACAGTAGCGGAGAGGACTCATGGAGTGTCACTGTGCGGTGAACCTGTGCACCCACACCGC
TCACTCGTGTGCAACACAGAAGTCTGTCCGAGTCCCAGGTCATCGGTAGGTTGAAATGCAGGGTCCCTC
AGAGCGATTCTAACTTTACCACTAATCTGCGGCTTACACCAGGATTGTGGACCAAGTCTTCTCGGAA
ATTCGAAACCCAGGACTATCATGCACACAGCATCAATTTTTACGAGGATCAGTAAAACCTCCGAAGGCT
CCCCTTACTGCTTGCCTGATTACACAAGGAAAGATTCTGGCTCAGCTGCACGCCATAAAGCAAGCCCGCG
AGGAGTTTCTGCTCAAGAAGGGGCATGGCGTGTATCTCGATCCCCAGACCGGAGAAGAAGTGAACCTTCC
TTCTCCTCTGTGCGCCACAGCAAGTCCACACTCTCAGCATGTCCCTGAAAGCCGCAAAACCGGCTACTGT
GCCGCGACTTAAAGAGACAGCAGCGACTGCAGGCAATCTGGGTGGACGGATACTCGGGGAGTCAGGCC
GGGGACGCGGTAGAGGACTGGGAAGAATGGGTGGTGGAGGTGGAGGACAACCAAGAAGAGGATCCCGCGG
AGGCGGAGGTAGGTTTCAAGGAAGAAGCGACAGACGCGCAGACAGTTGCGTTCAATCAGGCCCTGAGTAAC
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ACGCGTACGCGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

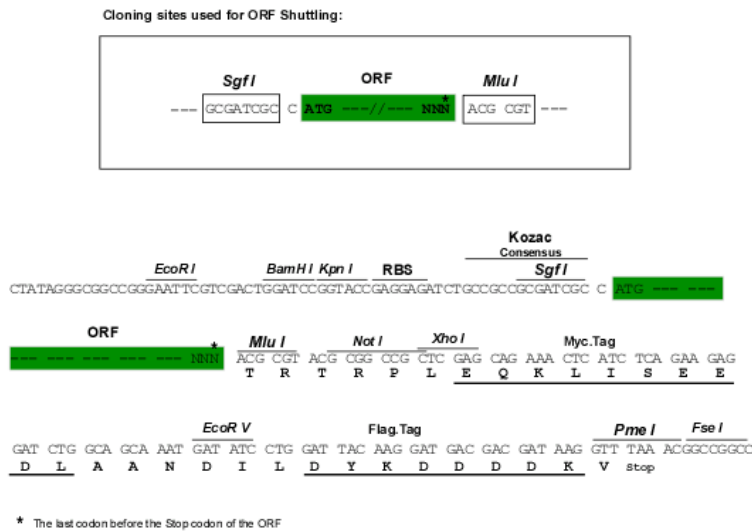
Protein Sequence: >VC100271 representing NP_040927
 Red=Cloning sites Green=Tags

MMDLEPQESLTAPTAPAIGATAVMEKDKSLLIPQDAPVEQNLGYETPPEEFEGFLQIQKQPNEQNAGLED
 HDYLNEDGDLFKHLQRQSTIVRDAISDRSSIPVSAELSCIYERNLFSRVPVPPKRQANGTCEPNRPNFY
 PVFAVPEALATYHIFFKNHKIPLSCRANRSRADELLALRAGASIPGIVSLEEVKIFEGLGRDEKRAANA
 LQKENEQNHGNSALIELEGDNARLAVLKRNIETHFAYPAVNLPPKVMASVMNQLLIKRAQPIDKDANL
 QDPEATDDGKPVVSDEQLTKWLGTDNSNELQRRKLMMAAVLVTVELECMHRFFSDITTLRKIEECLHYT
 FRHGYVRQACKISNVELSNLVSYMGILHENRLGQNVLHSTLRDEARRDYVRDCIYFLLLHTWQTGMGVWQ
 QCLEEKNLRELKLLDRALKSLWTGFDERTVAEELADIIFPERLMITLQNGLPDFMSQSMLHNYRSFILE
 RSGMLPSMCCALPSDFVPIYFRECPLPLWSHCYLLRLANYLAYHSDLMTDSSGEGLMECHRCNLCCTPHR
 SLVCNTELLSESQVIGTFEMQGPQSDSNFTTNLRLTPGLWTSAYLRKFEPQDYHAHSINFYEDQSKPPKA
 PLTACVITQGKILAQLHAIKQAREEFLKKGHGVYLDPQTGEELNLPSPLCATASPHSQHVPESTRKTYGC
 AATLKETAATAGNLGGRILGESGRGRGRGLGRMGGGGGQPRRGSRGGGGRFQGRSDRRQTVAFNQALSN
 ETRCEQISESQP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001460

ORF Size: 2346 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_001460.1](#), [NP_040927](#)

RefSeq ORF: 2346 bp

Locus ID: 1460842

MW: 87.7 kDa