

Product datasheet for **VC100301**

L4 (NC_011202) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L4 (NC_011202) 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 VC100301 represents NCBI reference of YP_002213815 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGAAAACCTCAGCCTCTCTGTCTACATACCAAGGGTGCCAGTCACCTTGTCTTGTGCAGATGAAGAGA
AGGAGCAGAGTTTGTCAATTCCTCCTAGCCCGGCGACCACCAGCACCTTGAGGACAAGGAGGTGGA
TGCTAGTCATGACATGCAGAACAAGAAAGCAAGGAATCAGAACTGATATTGAACAGGACCCTGGCTAC
GTGACACCCGTAGAACACGAAGAGGAGCTGAAAAGTTTTTGGAGAGAGAGGACGAGAATTGCCCTAAGC
AGAGGGCTGACAACCTACCACCAGGATGCAGGGAATCGGGACCAGAATACCGACTATCTGATCGGACTGGA
CGGGGAAGATGCTCTGCTGAAGCATCTGGCCAGACAATCCCTGATCGTTAAAGACGCCCTGCTTGATAGA
ACCGAAGTGCCAATCAGTGTGGAAGAGTTGTCCCGCCCTATGAGCTGAACCTGTTTTCTCCAGGACTC
CCCCAAAAGACAGCCAAACGGGACGTGTGAACCGAATCCAGACTTAATTTCTATCCCGCTTTCGCGGT
TCCAGAGGTATTGGCTACTTATCACATCTCTTTAAGAATCAGAAGATCCAGTAAGTTGTGCGGGCAAC
CGAACAAGGGCAGACGCCTTGTGAATCTTGGCCCCGGTAGCAGACTGCCAGACATTGCTTCTCTGGAGG
AAGTGCCCAAGATCTTTGAAGGCCTGGGCAACAATGAAACACGCGCTGCAATGCCCTTCAGAAAGGCGA
GAATGGCATGGATGAGCACCACAGCGTGTGGTGGAGCTGGAAGGTGACAACGCTCGGCTGGCGTCTCTG
AAAAGGTCTATCGAAGTCACGCATTTTCGCTATCTCTGCTGCAATCTGCCGCCAAAAGTAATGACTGCCG
TCATGGATCAGTTGCTCATCAAGCGAGCCAGCCCCCTGAGTGAGGACATGCACGACCAGATGCCTGTGA
TGAGGGGAAACCTGTGGTAAGTGTGAGCAACTGACTCGCTGGCTGGGAACGGACAGCCCCGGGAGTTT
GAGGAAAAGCGGAAATTGATGATGGCCGTGCTGCTGCTACCCTGAGACTCGAGTGCCTGAGGAGTTTT
TCACTGACAGTGAAACGCTGAGGAACTGGAAGAGAACCTGCACTATACTTTCCGACACGGTTTTCTGTGAG
ACAGGCTTGCAAAAATATCTAACGTAGAGCTTACTAACTTGGTGTACATACATGGGTATCCTCCACGAAAAC
AGATTGGGACAGAGTGTCTGCACTCCACACTTAAAGGCGAAGCAAGGAGGGACTATATCCGCGATTGCG
TCTATTTGTACCTTTGTCATACCTGGCAACAGGCATGGGCGTATGGCAACAGTGCCTGGAAGAACAGAA
CTTGAAGGAGCTGGATAAGTTGCTTCAGAAAAGCTTGAAGGTCTGTGGACCGGATTTCGATGAACGAACT
GTTGCTAGCGATCTGGCCGACCTGATATCCCCGAGAGATTGCGGGTTACCCTGCGCAATGGCCTGCCCG
ATTTTATGTCCCAGTCAATGCTGAACAATTTTAGGAGTTTCATTCTGGAACGCTCCGGCATACTGCCCGC
TACCTGCTGTGCCCTGCCAGCGATTTTGTGCCCTCACATATCGAGAGTCCCCCTCCCTTGTGGAGC
CACTGCTATCTGTTTCGACTCGCAAACTATCTCTCCTATCATTCTGATGTGATCGAGGATGTGTCCGGCG
ACGGCCTCCTTGAGTGCCATTGCAGATGTAATCTTTGCACCCACATAGGTCCCTCGCGTGAACCCCCA
GCTCATGAGCGAAACTCAGATTATTGGCACTTTTCGAGCTGCAGGGGCTAGCTCCAGGGTGACGGCTCC
AGCCCAGGACAGTCACTGAAACTGACCCCCGGCCTGTGGACAAGCGCCTACCTTAGGAAATTCGCTCCTG
AAGATTACCACCCATATGAGATTAATTTTACGAGGACCAGAGTCAGCCTCCAAAGCCGAACTGTCTGC
TTGCGTGATCACGAGGGCGCGATCCTTGCGCAGCTGCAGGCCATCCAGAAATCTCGGCAGGAGTTTCTT
CTGAAAAGGGAAAAGGGGTGTATCTCGATCCTCAGACCGGCGAAGAGCTGAATACCAGATTTCCACAAG
ACGTGCCACCACCAGAAAACAGGAGTTGAGGGTGCAGCAGCCGCCCTCGGAGGTACGGAGGCAGAT
TGGGCAATCTGGTCGCGGAGGAGGCGGCGCCAGTCTGGGGTCAATCTGGAGGCAGACAATTCGGTGGA
GGCAAACGCGGGGCGAGGAGGAGGCAGATCAAATAGACGCCAGACGGTCATCCTTGGGTGTGGCGACA
AGCAGCAGCGATACCATCTCAGAAGCGAGTCAAGGAACCCCGCCGCTAGCCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100301 representing YP_002213815
 Red=Cloning sites Green=Tags

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METQPLLSTSPRVPSHLVLSDEEKEQSLSI PPPSPATTSTLEDKEVDASHDMQNKKAKESETDIEQDPGY
VTPVEHEEELKRFLEREDENCPKQRADNYHQDAGNRDQNTDYLIGLDGEDALLKHLARQSLIVKDALLDR
TEVPI SVEELS RAYELNLFSPRTPPKRQPNGTCEPNPRLNFYPAFAVPEVLATYHIFFKNQKIPVSCRAN
RTRADALLNLGPGSRLPDIASLEEVPKIFEGLGNNETRAANALQKGENGMDEHHSVLVELEGDNARLAVL
KRSIEVTHFAYPAVNLPKVMATAVMDQLLIK RASPLSEDMHDPDACDEGKPVVSDEQLTRWLGTDSPRDL
EERRKLMMAVVLVTVLELECLRRFFTDSETLRKLEENLHYTFRHGFVRQACKISNVELTNLVS YMGILHEN
RLGQSVLHSTLKGARRDYIRDCVYLYLCHTWQTMGMVWQQCLEEQNLKELDKLLQKSLKVLWTGFDERT
VASDLADLIFPERLRVTLRNLPDFMSQSMLNNFRSFI LERSGILPATCCALPSDFVPLTYRECPPLWS
HCYLFRLANYLSYHSDVIEDVSGDGLLECHCRCNLCTPHRSLACNPQLMSETQIIGTFELQGPSSQGDGS
SPGQSLKLT PGLWTSAYLRKFAPEDYHPYEIKFYEDQSQPPKAEL SACVITQGA ILAQLQAIQKSRQEF L
LKKGKGVYLDPQTGEELNTRFPQDVPTTRKQEV EGAAPRRYGGRLGQSGRGGGGGQSGGQSGGRQFGG
GKRGGGGGSRNRRTVILGCGDKQQR YHLRSESRNPAASQQ
  
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TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NC_011202

ORF Size: 2436 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_011202.1, YP_002213815](#)

RefSeq ORF: 2436 bp

Locus ID: 6870504

MW: 91.1 kDa