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Product datasheet for VC100386

L4 (NC_001405) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L4 (NC_001405) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100386 represents NCBI reference of NP_040528 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAAGCGTGGAAAAAGAGGATAGCCTTACGGCCCCCTTCGAGTTCGCAACAACCGCATCCACCGACG
CAGCAAACGCGCCCACTACCTTTCCTGTGGAAGCTCCCCCCTTGGAGGAGGAGGAGGTTATCATCGAGCA
GGACCCTGGATTTGTGAGCGAAGACGATGAGGATCGCTCAGTTCCAACCGAGGACAAAAAGCAAGATCAG
GACGACGCTGAGGCCAACGAGGAGCAGGTGGGGAGAGGGGACCAACGCCACGGGGACTATCTTGATGTCG
GGGACGATGTGCTGCTCAAACACCTGCAACGCCAGTGTGCCATCATTTGTGATGCCCTTCAGGAGAGGAG
TGACGTTCCCCTCGCTATCGCCGATGTGAGCCTGGCATATGAACGCCATTTGTTCAGCCCTCGAGTCCCC
CCTAAGAGGCAGGAGAATGGAACTTGTGAACCTAACCCCAGACTTAACTTCTACCCAGTGTTTGCCGTGC
CCGAAGTCCTCGCTACCTACCACATCTTTTTCCAGAATTGTAAGATCCCCCTGTCATGTCGCGCGAACCG
GAGCCGGGCAGATAAACAGCTTGCACTTCGCCAGGGCGCGGTGATTCCCGATATTGCCAGCCTGGATGAG
GTACCAAAGATTTTTGAGGGACTGGGACGCGACGAAAAGCGAGCCGCCAATGCACTGCAGCAGGAGAATA
GCGAAAATGAAAGTCACTGCGGCGTCCTCGTTGAGCTGGAGGGTGATAACGCCCGCCTGGCGGTGCTCAA
GAGAAGCATAGAAGTAACCCATTTCGCCTACCCAGCCCTCAATCTGCCACCTAAAGTTATGAGTACCGTC
ATGTCAGAGTTGATTGTGAGAAGGGCAAGACCTCTGGAGAGGGACGCTAACCTCCAGGAACAAACCGAAG
AGGGACTCCCAGCCGTGGGCGACGAACAGCTTGCCCGCTGGCTCGAAACTCGGGAGCCGGCTGATCTCGA
AGAGCGACGGAAACTGATGATGGCCGCGGTGCTGGTGACTGTCGAACTCGAGTGCATGCAGAGGTTCTTT
GCAGACCCGGAAATGCAGAGAAAGCTGGAGGAGACACTGCACTATACATTCCGCCAGGGATACGTACGGC
AGGCATGTAAAATCTCCAACGTTGAGCTCTGCAACCTGGTATCCTACCTGGGGATTCTCCACGAGAATAG
GCTGGGACAGAATGTGCTTCACAGTACGTTGAAAGGAGAGGCAAGACGGGATTATGTGAGAGACTGTGTG
TATTTGTTCCTGTGCTACACTTGGCAGACTGCGATGGGTGTGTGGCAGCAGTGTCTCGAGGAGCGCAACC
TGAAAGAACTGCAGAAGCTGCTCAAACAGAACCTGAAAGATCTGTGGACTGCATTCAATGAGCGCAGTGT
TGCAGCACACCTTGCCGATATTATCTTTCCGGAAAGGCTGCTCAAGACCCTGCAGCAGGGCCTGCCCGAC
TTCACCTCTCAGTCAATGCTGCAGAACTTCCGAAATTTTATACTGGAGCGGAGCGGCATCCTGCCTGCGA
CCTGCTGTGCTCTCCCCAGCGACTTCGTGCCGATCAAATATCGCGAGTGTCCTCCCCCTCTGTGGGGACA
CTGCTATCTGCTGCAGCTGGCTAACTATCTTGCCTATCACTCAGACATCATGGAGGACGTCAGCGGAGAC
GGACTGCTGGAGTGTCATTGCAGGTGCAACCTCTGTACACCCCACAGGAGTCTCGTATGCAACAGCCAGC
TGTTGAGCGAGTCCCAGATCATTGGTACCTTTGAGCTGCAAGGACCTTCCCCGGACGAAAAAAGCGCCGC
CCCCGGGCTCAAACTGACCCCCGGCCTGTGGACTTCCGCATATCTGCGGAAGTTTGTCCCAGAGGACTAT
CACGCTCATGAAATCCGCTTCTATGAAGACCAGTCCAGACCTCCTAACGCGGAGCTGACCGCATGCGTGA
TTACCCAGGGACATATCCTGGGCCAGCTGCAGGCTATCAATAAGGCGCGGCAGGAGTTTCTCCTGAGGAA
GGGCCGCGGAGTGTATCTTGACCCTCAGTCCGGAGAAGAGTTGAACCCTATTCCACCCCCCCCCCAGCCA
TACCAACAGCCAAGAGCACTCGCCTCCCAGGACGGAACCCAGAAGGAGGCAGCAGCCGCAGCAGCAGCAA
CTCATGGTAGAGGGGGTATTCTCGGCCAGTCTGGCAGGGGCGGATTCGGCCGCGGAGGTGGGGACGATGG
AAGATTGGGCCAGCCTAGAAGGAGCTTTAGAGGTAGGCGAGGCGTCAGGAGAAACACCGTGACCCTCGGC
AGGATACCACTTGCGGGAGCCCCCGAGATTGGGAACCGGAGCCAGCACAGGTACAATCTGCGGTCATCTG
GCGCCGCAGGCACTGCCTGTTCCCCAACTCAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

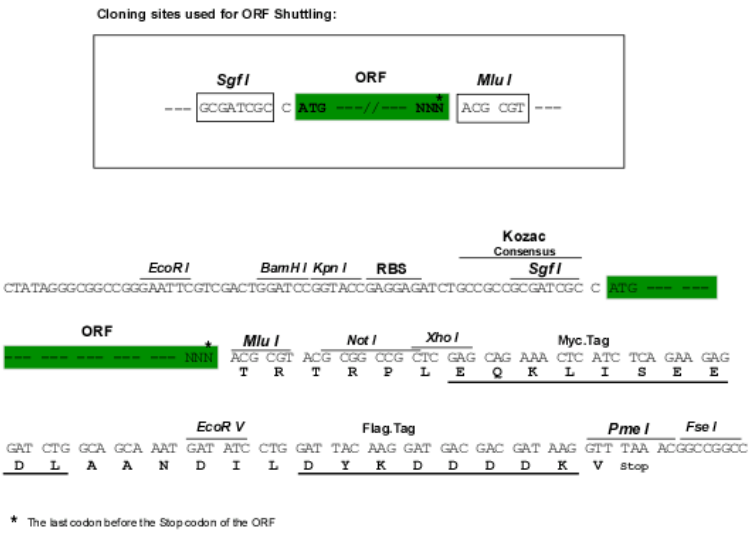
>VC100386 representing NP_040528
Red=Cloning sites Green=Tags

MESVEKEDSLTAPFEFATTASTDAANAPTTFPVEAPPLEEEEVIIEQDPGFVSEDDEDRSVPTEDKKQDQ
DDAEANEEQVGRGDQRHGDYLDVGDDVLLKHLQRQCAIICDALQERSDVPLAIADVSLAYERHLFSPRVP
PKRQENGTCEPNPRLNFYPVFAVPEVLATYHIFFQNCKIPLSCRANRSRADKQLALRQGAVIPDIASLDE
VPKIFEGLGRDEKRAANALQQENSENESHCGVLVELEGDNARLAVLKRSIEVTHFAYPALNLPPKVMSTV
MSELIVRRARPLERDANLQEQTEEGLPAVGDEQLARWLETREPADLEERRKLMMAAVLVTVELECMQRFF
ADPEMQRKLEETLHYTFRQGYVRQACKISNVELCNLVSYLGILHENRLGQNVLHSTLKGEARRDYVRDCV
YLFLCYTWQTAMGVWQQCLEERNLKELQKLLKQNLKDLWTAFNERSVAAHLADIIFPERLLKTLQQGLPD
FTSQSMLQNFRNFILERSGILPATCCALPSDFVPIKYRECPPPLWGHCYLLQLANYLAYHSDIMEDVSGD
GLLECHCRCNLCTPHRSLVCNSQLLSESQIIGTFELQGPSPDEKSAAPGLKLTPGLWTSAYLRKFVPEDY
HAHEIRFYEDQSRPPNAELTACVITQGHILGQLQAINKARQEFLLRKGRGVYLDPQSGEELNPIPPPPQP
YQQPRALASQDGTQKEAAAAAAATHGRGGILGQSGRGGFGRGGGDDGRLGQPRRSFRGRRGVRRNTVTLG
RIPLAGAPEIGNRSQHRYNLRSSGAAGTACSPTQP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NC_001405
ORF Size:	2415 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_040528
RefSeq ORF:	2415 bp
Locus ID:	2653005
MW:	90.1 kDa