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Product datasheet for VC100442

L4 (NC_010956) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L4 (NC_010956) 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 VC100442 represents NCBI reference of YP_001974431 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGAGCAGCCCAGGAAACAGGAGCAGGAGGAGGACCTGACCACGCATGAACAGCCAAAGATCGAAC
AAGATCTGGGATTCGAGGAGCCGGCAAGACTCGAACCCCCCCAGGATGAGCAAGAGCACGAGCAGGACGC
AGGACAGGAAGAGACTGACGCAGGCCTGGAGCATGGGTACCTCGGGGGTGAGGAGGACGTGCTCCTGAAA
CACCTCCAGAGACAGAGCCTCATCTTGAGAGACGCTCTGGCCGACCGCTCAGAGACTCCTCTGTCTGTAG
AGGAGCTTTGCCGCGCCTATGAGCTGAACTTGTTCTCACCAAGGGTACCCCCCAAACGCCAACCCAACGG
GACTTGTGAGCCTAACCCACGCCTCAACTTTTACCCTGTCTTCGCCGTGCCCGAGGCCCTCGCCACATAC
CATATTTTTTTCAAGAACCAGAAAATACCAGTCTCCTGCCGGGCTAATAGAACCCGGGCGGACGCCCTGC
TCGCTCTCGGACCAGGCGCCCGGATCCCTGATATCGCAAGTCTGGAAGAAGTTCCGAAGATTTTTGAGGG
TCTTGGTAGAGACGAGACCCGGGCAGCCAATGCACTCAAAGAGACCGCAGAAGAGGAAGGGCATACATCT
GCCCTGGTGGAGTTGGAGGGTGATAACGCAAGATTGGCCGTGCTGAAAAGAAGTGTGGAGCTTACCCACT
TCGCTTACCCTGCCGTTAACCTGCCCCCAAAAGTGATGCGGCACATCATGGATCAGCTCATTATGCCTCA
TATTGAAGCCCTGGACGAATCACAGGAACAGAGACCAGAAGATGCCCGGCCCGTGGTGTCCGACGAGATG
CTCGCTCGGTGGCTCGGAACCCGCGAGCCCCAAGCCTTGGAGCAAAGAAGAAAGTTGATGCTGGCCGTCG
TGCTTGTCACACTTGAGCTGGAGTGTATGCGGAGATTCTTCAGCGACCCAGAGACACTGAGAAAGGTCGA
GGAGACCTTGCACTATACCTTTCGGCACGGGTTCGTGCGCCAGGCCTGTAAGATCTCCAACGTTGAACTT
ACAAACCTGGTGTCCTGCCTGGGAATCCTCCACGAGAACCGACTGGGCCAGACAGTGCTTCACAGTACAC
TGAAAGGTGAGGCAAGGAGAGATTACGTGCGAGACTGCGTGTTCCTGTTCTTGTGCCATACCTGGCAGGC
CGCTATGGGCGTCTGGCAGCAATGTCTGGAGGACGAAAACTTGAAAGAATTGGACAAACTGTTGGCACGA
AATCTGAAAAAGCTGTGGACCGGGTTTGACGAAAGAACAGTGGCCAGCGACCTGGCCGAGATTGTCTTTC
CAGAGCGGCTGCGCCAGACTCTGAAAGGTGGCCTTCCCGACTTCATGTCTCAGAGCATGCTTCAAAACTA
TCGGACCTTCATCCTCGAACGATCAGGTATGCTCCCCGCAACTTGCAACGCCTTCCCTAGTGATTTCGTA
CCTCTGAGCTACCGCGAGTGTCCACCTCCCCTTTGGTCCCATTGTTATCTTCTCCAACTGGCTAACTACA
TCGCGTACCACAGCGACGTGATAGAAGATGTGAGCGGGGAGGGCTTGTTGGAGTGCCATTGCCGATGTAA
CCTGTGCAGCCCCCACCGATCCTTGGTGTGTAATCCCCAACTGCTGTCCGAGACCCAGGTTATCGGCACT
TTCGAACTGCAGGGTCCCCAGGAGTCCACCGCTCCACTGAAATTGACCCCAGGTCTGTGGACGTCAGCCT
ACCTGAGGAAATTTGTGCCCGAGGACTATCACGCTCACGAAATCAAATTTTTTGAGGATCAGAGTCGACC
TCAGCATGCCGATCTCACAGCATGCGTAATTACTCAGGGCGCCATACTGGCCCAGTTGCATGCTATTCAG
AAAAGCAGGCAGGAGTTCCTGTTGAAGAAAGGCAGAGGTGTGTACCTTGATCCTCAGACAGGGGAGGTGC
TTAATACCGGACTCCCCCAACACGCCGAAGAAGAAGCAGGAGCCGCTTCAGGAGGGGATGGACGGAGAAT
GGGCCAGCCAGGTAGAGGGGGGCGAATGGGGGGAGGAGATAGGGGAGGAAGGATTGGCCGGGGTGGGAGA
GGAGCCGGCAATAGGGCCGCCAGGAGACGCACTATACGAGCAGGCTCCCCGGGCGGCCACGGATACAACC
TTCGAAGCTCTGGGCAAGCAAGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

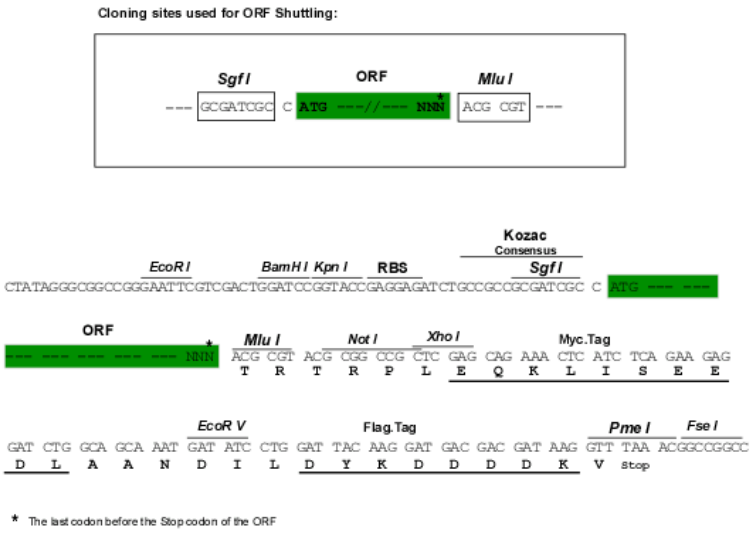
>VC100442 representing YP_001974431
Red=Cloning sites Green=Tags

MEEQPRKQEQEEDLTTHEQPKIEQDLGFEEPARLEPPQDEQEHEQDAGQEETDAGLEHGYLGGEEDVLLK
HLQRQSLILRDALADRSETPLSVEELCRAYELNLFSPRVPPKRQPNGTCEPNPRLNFYPVFAVPEALATY
HIFFKNQKIPVSCRANRTRADALLALGPGARIPDIASLEEVPKIFEGLGRDETRAANALKETAEEEGHTS
ALVELEGDNARLAVLKRSVELTHFAYPAVNLPPKVMRHIMDQLIMPHIEALDESQEQRPEDARPVVSDEM
LARWLGTREPQALEQRRKLMLAVVLVTLELECMRRFFSDPETLRKVEETLHYTFRHGFVRQACKISNVEL
TNLVSCLGILHENRLGQTVLHSTLKGEARRDYVRDCVFLFLCHTWQAAMGVWQQCLEDENLKELDKLLAR
NLKKLWTGFDERTVASDLAEIVFPERLRQTLKGGLPDFMSQSMLQNYRTFILERSGMLPATCNAFPSDFV
PLSYRECPPPLWSHCYLLQLANYIAYHSDVIEDVSGEGLLECHCRCNLCSPHRSLVCNPQLLSETQVIGT
FELQGPQESTAPLKLTPGLWTSAYLRKFVPEDYHAHEIKFFEDQSRPQHADLTACVITQGAILAQLHAIQ
KSRQEFLLKKGRGVYLDPQTGEVLNTGLPQHAEEEAGAASGGDGRRMGQPGRGGRMGGGDRGGRIGRGGR
GAGNRAARRRTIRAGSPGGHGYNLRSSGQASS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_010956

ORF Size: 2196 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_010956.1, YP_001974431
RefSeq ORF:	2196 bp
Locus ID:	6386277
MW:	82.2 kDa