

Product datasheet for **VC101949**

L1 (NC_001690) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_001690) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L1
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 VC101949 represents NCBI reference of NP_043422 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCCTGTGGTCCGCCGTCCCTGGTAAGGTCTACCTCCACCATCTGCACCTGTGGCAAGAGTGCTTA
 GAACTGACGAGTACGTACAGGAAACCGAGCTATACTTCTATACTTCCACTGAGCGCCTTTTGATCGTGGG
 CAATCCCTACTTCGATGTTGAAAACCGGGATACAATCACTGTACCGAAGGTGTCAGCTAATCAGTATCGG
 GTATTCGCTGTAAGCTCCCTGACCCAAACAAATTCGCGTTGGTGGACAAAAACCTTTACAACCTGATA
 AGGAGAGACTCGTGTGAAACTGGTTGGACTCGAAGTGGGTAGGGGCGGCCACTCGGGTGGGCTCCAC
 CGGACATCCGCTGCTTAATAAATAGGAGATACAGAAAATCCTAGCTTTTACTTTGGGAGAGCAGACTAAG
 GATGAGCGCCAGAACGTAGTATGGACCCTAACAGAGCCAGATCCTTATCGTGGGGTGTGCCCCAGCAA
 CGGGCGAGTATTGGGACCTGGCCAAGCCCTGTAATGACCTGGAGAACGGCGCCGCCCTCCCATCCAGCT
 GGTCAATACGGTTATCCAGGACGGCAGATGGGGGATATCGGTTTCGGTTCGGCGCAACTCCCAAAGTTG
 ATGCAGGACCGCGCTGGCGTCCCACTTGAGCTGATCGACTCTATATCCATCTGGCCGGATTTCTTGAAGA
 TGACTAAGGATATCTACGGGGACTCCGTATTTTTTTTCGGCAAAAGAGAGCAGTGTACGCACGACATCT
 GTTCGCTCGGGCAGGGCAGATGGGCGAGCCAATCCCACAGAGAACGGCGTCTATTATATCACACCCGAT
 TCCGCCGACAAAACAACCGAAGTTCCACCTTGGTCCAGTGTGATTTTACCACCCCTTCTGGCAGCT
 TGAATACTTCAGACTCACAACCTGTTCAACCGACCGTATTGGCTTCGGCGAGCCAGGGTACCAACAACGG
 AATCTGCTGGGCAACGAGCTGTTTATTACTGTGTTTGACAATACCCACAATGTCAACTTTACAATCAGC
 GTCAAGAACGACAAGACCGCGCTTACTGAGAATATATAGACAACGGGTACAAGTATAATAATGCCGATT
 TTAAGCAGTACCTCCGGCACACGGAGGAGTACGAGATAGAGCTCGTGTTCAGTTGTGCAAAGTGAACCT
 GACTGCCGACGTCTGGCCCATCTGCACGTGATGAACCCGCGCATACTGGAGGAGTGGCAGTTGGCGTTT
 GTGCCCTCAGCTCCTACCGGCATCGAGGATACCTATCGGTATATCAAGTCCATGGCAACTAAATGTCCCA
 CTGCTGAGCCAGAGGAAGACACTGACCCGTATAAAGCCTATTCTTTCTGGACACTCGATATGACAGAGCG
 GTTTAGCTCCGACCTCTCACAGTTTAGCCTGGGGCGGAAATTCCTCTACCAGACTGGCCTCTCAACGGA
 AAAAGAGCCCGACTGACTATACAGCCGAGGGTCTTCCACTAGATCTACCAAGCGGAGGCGCGTTCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101949 representing NP_043422
Red=Cloning sites **Green**=Tags

MALWSAVPGKVYLPPSAPVARVLRDTEYVQETDVYFYTSTERLLIVGNPYFDVENRDTITVPKVSANQYR
 VFRCKLPDPNKFALVDKNLYNSDKERLVWKLVGLEVGRRGGLVGVSTGHPLLNKIGDTENPSFYLGEOQK
 DERQNVSMQPKQSQILIVGCAPATGEYWDLAKPCNDLENGAAPPVQLVNTVIQDGMGDIQFGAANFPKL
 MQDRAGVPLELIDSIWIWPDFLKMTKDIYGDVFFFGKREQCYARHLFARAGQMGEPIPTENGVYYITPD
 SADQNNRSSHLSGVYFTTPSGSLNDSQFLNRPYWLRRRQGTNNGICWGNELFITVFDNTHNVNFTIS
 VKNDKTALTENYIDNGYKYNADFQYLRHTEEYEIELVFLCKVNLADVLHLHVMNPRILEEWQLAF
 VPPAPTGIEDTYRYIKSMATKCPTAEPEEDTPYKAYFWTLDMTERFSSDLSQFSLGRKFLYQTGLLNG
 KRARTDYTAAGSSTRSTKRRRVR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001690

ORF Size: 1539 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_001690.1, NP_043422](#)
RefSeq ORF: 1539 bp

Locus ID: 1403627

MW: 58.0 kDa