

Product datasheet for **VC101081**

LF1 (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LF1 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101081 represents NCBI reference of YP_001129505 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCACTGCAAACGGACACACATGCCTGGCGCTTAAATCGGCACCCGGGTCTGATGTTCTCAAAC
CGTGCCATTGCATCTTCTGAGGGCCAGTATCAAGCTGAGACTTCCAGTGTCTGCGTACGAAGCCCT
GGCTGTAGCTCGCTATGGACTGGTCGGCAGCCTCTGGGAGGTCCCGCTGTGAACAGTGCCTCCAATGC
CTGGCCGCTGCCGACCATGTAAGGACGTCAAAATCTACCCTTCTGCATTTTTTCAGGTCCAGCCCTA
TGTTTTGTACCATCAAACAGTCTTCGGTGTGAATCCTCATGACCTGTGCTTGTGCCTGATCTGCGT
TGGTGCAGCTATCCTGGACATTCCTCTGCTTTGCGCTCCACGGGATGGAGCGGGCCCGGGCTGCAGAA
GGTCAAGCAGCCGAGCCAGGGTGGCAAGCTTCGGGTTGGGGCAGATTGTCCCCAGCAGCCCATCT
CTCTCTCTGGGTTTTCCATACGCTGGCCCTCTCCCGTGGCTGGTACAGACATAGTATCAAGCTGAC
AAGGTCTGAGGGAGTGGGATTGGTAAAGACTGTGCTCAGGATCAGCTTGCCCTGTCCCTCCACAGGGA
CATGCGTCTTCCGCCCGCATCAGGCTGGTGTGCCGAGAGAGGGCGGAAGAGAGACATGAGGGACCTG
GTGCCGGAAGCAGCAAGTGCAGGCCGCGGAGACGTCGCTTGAAGTCAAGAGCCGCTTTGCTCTGGAG
GGTCTTGGTTGGGATACAGGGAGAGGACGGCTGGCACCTGGCCTGGCAATGTCTCGGATGCCGCAAGT
GGCAGTGTCCACCTTGACATACAGGTGGACAGGGCCGAAGAGGGGTGGTGTGTGATGTGCTGCTCGAAC
CCGGTCCGCCACAGTAGGGAGGGATGCTTCTCTCAATGGATCCCGCCTGGTACTGTAAAGAGCGC
ATGGACCCTGTTCCCTCTCCACCCTGAGCATGACGAGTGTGCTCCTAAGGAGGAGATACATGTTATG
GCCAGGCCACCTGCAGGGGGCACCCCTCTTTGGGGCTTACATTCCAGGAGGATGCCTGCGGATC
AATGGGTCTCAGGCCCCGCTGTGACTGCCACTCACCCATTAAGATGACTGTCTACAACCTGCGGGCA
CAAACCATTGCACATCGGTCCATCAACTCGCTGGGTCTCGCCCTTCTGGCCCGCTGAGCGGTGAGAC
AACTTGGATGCTGGCCGATCTTTATCAGCTGACAAGCGGTGAACCTTACTGGGACGGACCGTGCAC
GCCCCCAACCCTCACGCTGCCAGTTGATGAACTGAGACCTTGGCCAAAGTTGACGCCCGAAGACCCAT
GCAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101081 representing YP_001129505

Red=Cloning sites Green=Tags

MALQTDTHAWRVEIGTRGLMFSNCVPLHLPEGQYHKLRLPVSAEALAVARYGLVGSLWEVPAVNSALQC
LAAAAPCKDVKIYPSCIFQVHAPMFVTIKTSLRCLNPHDLCLCLICVGAAILDIPLLCAPRDGAGARAAE
GQAAAAQGGKLRVWGRSPSSPISLSLAFPYAGPPVAVYRHSIKLTRSEGVIGKDCAQDHACVPPQG
HASSAADQAGVPERGRKRAHEGPGAGEAASAGRGDVALSQSRALLWRGLGWDGTGRRLAPGLAMSRDAAS
GSVHLDIQVDRAEEGWVCDVLLLEPGPPTAREGCFLSMDPGLVTLKDAWTLFPLHPEHDAVPPKKEIHVM
AQGHLQGGTTPSLWGFTFQEAACDQVLRPRVWTAHSPKMTVYVYNGCHKPLHIGPSTRLLGLALFWPERSD
NLDAGRIFYQLTSGELYWGRTVARPPPTLTPVDELRPWPKLTPEEPMQH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_009334

ORF Size: 1407 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_009334.1](#), [YP_001129505](#)

RefSeq ORF: 1407 bp

Locus ID: 5176164

MW: 50.6 kDa