

Product datasheet for **VC101169**

LF1 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LF1
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 VC101169 represents NCBI reference of YP_401709 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTTCAGACCGACACACAGGCTGGAGAGTAGAAATCGGGACAAGAGGACTCATGTTTAGCAATT
CGGTGCCCTGCACCTCCCAGAAGGGCAATACCAAGCTGCGGCTGCCCGTGTCTGCTTATGAAGCTCT
CGCCGTTGCTAGATACGGACTCGTTGGCAGCCTCTGGGAGGTGCCGGCAGTGAAGCTGCTCTTCAAGTGC
CTGGCAGCCGCTGCCCCATGCAAAGATGTAAGATCTACCCAGCTGTATTTTTCAGGTCCATGCACCAA
TGTTTGTACCATAAAAACTAGTCTTCGCTGCCTGAATCCGCACGACCTGTGTCTGTGCCTTATCTGCGT
TGGTGCCGCTATTCTCGACATACCTCTGCTGTGCGCTCCAAGAGATGGAGCTGGTGTAGGGCAGCCGAA
GGCCAGGCAGCAGCTGCTCAAGGTGTAAGCTGAGAGTCTGGGGCCGACTGTCCCTCTAGCCCGACCA
GCCTGTCAATTGGCCTTCCCTATGCCGGCCCCCTCCCGTGGCTGGTACAGACATAGTATCAACCTTAC
TAGAAGTGAGGGGTTCGGCATTGAAAGGATTGCCGCCAGGACCAGCTTGTCCCGTGCCTCCACAGGGA
CACGCCAGTTCAGCTGCTGATCAAGCTGGCGTGCCAGAACCGGGCGAAAACGGGCACACGAAGGACCGG
GAGCCGGGGAGGCAGCTTCTGCTGGACGGGGCAGCTGGCGCTGTACAGTCAAGGGCACTCTGTGGCG
GGGACTCGGTTGGGACTGGCAGAGGTGACTGGCCCCCTGGTCTTGCCATGTCTCGGGACGCTGCCAGC
GGATCCGTGCATCTGGATATCCAGGTTGACCGGGCCGAGGAAGGTTGGGTGTGCGATGTGCTGCTCGAGC
CCGGCCCACTGCCCCGAGGGCTGTAGTCTGTCAATGGATCCAGGGCTGGTAACCTGAAAGACGC
TTGGACGCTGTTCCCTGCACCCTGAGCATGATGCTGTGCTCCCTCCTAAGGAAGAAATACATGTGATG
GCTCAAGGCCACCTTCAGGGCGGTACACCATCACTCTGGGGCTTACATTTTCAGGAGGCCGATGTGATC
AATGGGTGCTTCGGCCTCGGGTATGGACAGCTCACTCTCCTATTAATAAGGACCGTATATAATTGTGGGCA
TAAGCCCCGACATAGGCCATCAACCAGGCTGGGGTTGGCCCTTTTTTGGCCTGCCGAGCGAAGTGTAT
AACCTGGACGCCGGCGGATTTTCTATCAATTGACATCCGGCAGCTGTACTGGGACGGACTGTTGCCA
GACCCCTACCCTCACACTGCCAGTCGACGAACTGCGGCCTTGGCCAACTGACACCTGAGGAGCCTAT
GCAACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101169 representing YP_401709

Red=Cloning sites Green=Tags

MALQTDQAWRVEIGTRGLMFSNCVPLHLEPGYHKLRLPVSAYEALAVARYGLVGSLWEVPAVNSALQC
LAAAAPCKDVKIYPSCIFQVHAPMFVTIKTSLRCLNPHDLCLCLICVGAAILDIPLLCAPRDGAGARAAE
GQAAAAQGGKLRVWGRSPSSPSSLAFYPYAGPPVAVYRHSINLTRSEGVIGKDCAQDHACVPPQG
HASSAADQAGVPERGRKRAHEGPGAGEAASAGRGDVALSQSRALLWRGLGWDGTGRRLAPGLAMSRDAAS
GSVHLDIQVDRAEEGWVCDVLEPGPPTAREGCSLSMDPGLVTLKDAWTLFPLHPEHDAVPPKEEIHVM
AQGHLQGGTTPSLWGFTFQEAACDQWVLRPRVWTAHSPKMTVYVYNGCHKPLHIGPSTRLLGLALFWPERSD
NLDAGRIFYQLTSGELYWGRTVARPPPTLTPVDELRPWPKLTPEEPMQH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_007605

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_007605.1](#), [YP_401709](#)

RefSeq ORF: 1407 bp

Locus ID: 3783747

UniProt ID: [P03211](#)

MW: 50.5 kDa