

Product datasheet for **VC101168**

LF2 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LF2 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LF2
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 VC101168 represents NCBI reference of YP_401708 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGAGGCCTACCCGGTGGTGCTCACGCAGCGCTCGCATCCCGCAGAAGCTCATTCCGGAACCTTT
 TCGGGAGGCTTAGACCAACCGAGAACTGATACGTCCTTCATGAGAGGCGTGTGGAAGTATGAAATCTT
 TCCTAGTTATGTCAGAGTTACGAACAAGCAGGTGCTCCAGCTCGACGCTCAGTGTCAAGAAGCTCCACCA
 TGTCTTCCGTGGGGCAAATCTTGAGCTTTAAGCTGCCAAGCTTCAGTTTCAATAACAACCTACGGGT
 CCCGGTATTTTACCGTCGCATTCCTCTTTTTGGAGCCGAGGACAATGAGGTATTCCTGAAGCCATTCTT
 CGTCATGCACTCAGACCAGGACATCGTGTCTTCCGTGCTGAACCTCGCTCCCTGTTTCATCGAAAAAGGC
 AAGTTCACGTGGTATATCGTCCCAATAAGGCTCGTGAAGAATCCCTATCTGTATCTGCAGATTCTCCTG
 GTCATACAGACATACAGCTCACCAGGAGTTGACTCAGAGTGGCGATAAGCTGAATACGTCAGAACCTCA
 GATATTTCTGAGCGGGTCCCCCGTCACCTCACAGGATGAGTGTCTTCCCTATCTGCTTGCCCAACACACA
 CCCCTTTTTTGAATCCTACGCCCGGATTACACCTTCTCTGGGAAGGTATGTCCCGTGAACGCAATCC
 GGAGGGGAAAGGGATACGTGCGCGTGTCTGTGCATACACCTGACCTGAAAAGAGAAGGCCACTGAACGT
 CAAGGTTGGTATGACTTTGCTTGACGACGTCATCATAGCGTTTCGGTATAACCCCTACCCTAAGAGCCAT
 TGGAGATGGGACGGGGAATCCACAGATATCCGCTACTTCGGGTCTCCCGTAATCATACCGCCAACTTTA
 TCACCGAGCTGGAATAACAACAACCTACGAAGCTCCGCTGTATCCAAGATCACTGCCGTGGTTGTCTC
 CCATTCTTCAAACCCCGTGTCTATGTCTATCCTCAGGAGTGGAACTGGGCAGACTGAAACTGACC
 GTTAGGAACATTTCCAACAATCCCATCACAATTGTGACCGGACAATCTATGGCCAGGCTTTTTTCATCT
 ACGCGGGCGACCCTAGCATTTCAACCATCATGAGACGGTACATCCAACGGCAGGGGTGTGCGCTGACACT
 GCCTGGGAATATCGTGGTGGAGAGCTCCAGTCTCCCTACCTTCGAAAGAATAAACAGACTTTTAAACGGC
 AACATTGTGGCGTCAGAAGGTACTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101168 representing YP_401708
 Red=Cloning sites Green=Tags

MAEAYPGGAHAALASRRSSFRNSLRRLRPTEKPDTSFMRGVWKYEIFPSYVRVTNKQVLQLDAQCELPP
 CPSVGQILSFKLPSFSFNNTTYGSRYFTVAFLFFGAEDNEVFLKPFVVMHSDQDIVLSVLNPRSLFIEKG
 KFTWYIVPIRLVKNPYLYLQILPGQSDIQLTRSCTQSGDKLNTSEPIFLSGSPVTSQDECLPYLLAQHT
 PPFLKSYARIHTFPGKVPVNAIRRGKGYVRVSDTPDLKREGPLNVKVGMTLLDDVIIAFRYNPYPKSH
 WRWDGESTDIRYFGSPVIIPPNFITELEYNNTYEAPLSSKITAVVVSHSSNPVFVYYPQEWKPGQTLKLT
 VRNISNNPITIVTGQSMQAFFIYAGDPSISTIMRRYIQRQGCALTLPGNIVVESSLPTFERINKTFNG
 NIVASEGTL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_007605

ORF Size: 1287 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_401708](#)

RefSeq ORF: 1287 bp

Locus ID: 3783748

UniProt ID: [P03211](#)

MW: 48.4 kDa