

Product datasheet for **VC101157**

BcLF1 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BcLF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BcLF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101157 represents NCBI reference of YP_401697 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAGCAACGAGGGTGTGGAAAACCGCCATTTCCCTATCTGACTGTGGATGCTGACCTGTTGAGCA
ATCTGAGACAGAGTGTGCCGAGGGACTCTTTCACAGTTTTGATCTTTGGTGGGCAAGGATGCCGAGAG
GGCCGGTATAAAGTTTTGAAGTCTGTGGCGTCTACACAAATGCAATCCAGTATGTCCGATTCGGAG
ACAGACTGGCCGTTAGCTGCGTGAACACCGAGTTTAAAGACCTGAGTCGGATGACTGACGGAAAGATAC
AGTTTTCGCATCAGCGTGGCCACCATGGCCATGGCGACGGTCTGAAGACCCCAAAAACAGCGGACATTTAT
AGTGGTAAAGAATTGCCATAAACATCATATCTCAACCGAGATGGAGTTGAGCATGCTGGATCTCGAGATT
CTGCATAGTATCCCCGAGACCCCTGTGGAGTATGCCGAGTACGTAGGGGAGTCAAGACAGTGGCCTCTG
CACTGCAGTTCGGTGTGGATGCGCTTGAACGAGGTCTTATTAACACGGTGTGTCTGTGAAACTGAGGCA
TGCCCCCAATGTTTATCTTGCAGACCTGGCTGACCCACTTTTACTGAACGCGGATTTAGCAAAACA
GTGAAGAGTGACCTGATCGCAATGTTCAAACGGCATCTGTTGGAACACTCATTCTCCTCGACAGAGCTG
AGAATATGGGAAGCGGCTTCAGTCAGTATGTGCGCTCCAGGCTCTCCGAAATGGTGGCTGCTGTGCCGG
GGAGTCCGTCCTGAAAGGCGTTAGCACCTACACCCTGCAAGGGAGGTGAACCGTGGGTGGAGTTTTTC
ATCGTGACAGACAACGTCTCAGGCAGCTCCTGACTTTTCTGGGTGAGGAGGCTGACAATCAGATCATGG
GTCCGTATCATACGCATCCTTCGTGGTGGAGGGAGAGAACCTGGTACAGCAGTGTGACTACGGTAGGGT
GATGAGGACCTTTGAACACTTCATGGCAAGGATAGTTGATTCCCCTGAAAAAGCCGGATCAACTAAGAGC
GATCTGCCTGCCGTGCGAGCCGGAGTTGAGGACCAACCTCGCGTTCCAATTTCTGCTGCCGTGATCAAGC
TTGGCAACCACGCCGTAGCTGTGGAGTCTTTCAGAAGATGTATAATGACACCCAATCACCATATCCACT
GAATAGGCGGATGCAGTACTCATATTACTTTCTGTAGGCCTGTTTATGCCCAATCCTAAATACACGACA
AGTGCGGCTATCAAGATGTTGGATAATCCAACCAACAACCTCCCCGTGGAGGCTGGATAGTAAACAAAA
CAATCTGCTGCTGGCATTCAACCTGCAGAATGCAGTAAAGTCTGTGTGATCCACGACTGCACACTCC
CGCTCATACACTCAATCACTCAATGCGGCGCTGCTCCTAGAGACCGGAGAGACCTATAGTCTTCAG
CACCGCAGGCCAAACCACATGAATGTACTGGTGTGATCGTTGATGAGTTCTATGACAACAAATATGCTGCAC



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CAGTGACAGATATCGCACTCAAGTGC GG GCTCCCTACCGAAGACTTCTTGACCCTAGTAACTATGACCT
 GCTTCGGTTGGAGCTGCATCCACTCTACGACATCTACATAGGACGGGACGCTGGGGAGAGAGCCCGCCAC
 AGAGCTGTCCATCGCCTGATGGTCGGGAACCTGCCAACTCCACTGGCCCCGGCAGCCTTTTCAGGAGGCAA
 GGGGTGAGCAGTTTGAACCCGCAACTAGTCTCGCACATGTCGTTGATCAGGCCGTATCGAAACCGTGCA
 GGACACAGCCTACGACACCGCATACCCAGCCTTTTCTATGTGGTGGAGGCCATGATACACGGGTTCCGAG
 GAAAAGTTCGTGATGAATGTGCCTCTGGTCAGCCTGTGCATAAACACTTATTGGGAGCGAAGCGGACGGC
 TCGCTTTTCGTA AATTCATTTAGCATGATTA AATTTATTTGCCGGCACCTTGGCAACAATGCTATCAGCAA
 GGAGGCTTACTCTATGTACCGCAAGATTTATGGGGAGTTGATCGCTTTGGAGCAGGCTCTCATGAGACTT
 GCAGGATCCGATGTCGTGGGGACGAGTCTGTAGGCCAATATGTATGTGCACTCTGGATCCAAATCTGC
 TGCCCCCGTAGCCTATACTGATATCTTCACTCACCTGCTCACGGTGAGTGACAGGGCGCCGCAAATAT
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 GAGATGGCCGCCAAATTTGTCGCCCTGTACGGATACAGAGTGAACGGGGATCACGACCACGATTTCCGCC
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 CTCTGCGCGATCTTCTCGAGATCAGCGATCTCAGACCTACAGTTGGCATGATAAGAGATCTCTCCGCAAG
 CTTTCATGACCTGCCCTACCTTACGAGAGCCGTTAGAGTGAGCGTAGACAAACGATGTCACACAGCAGCTT
 GCCCTAACCCCGCCGACAAACGGACCGAGCAAAGTGTGCTGGTCAACGGGCTCGTTGCCTTTGCATTTA
 GTGAACGAACAGGGCGGTA AACTCAGTGTCTGTTCCACGCTATACCTTTCCATATGTTCTATGGAGACCC
 CAGGGTAGCAGCCACGATGCACCAAGATGTGCGCACTTTTCGTGATGAGGAACCCCAACAGAGGGCAGTG
 GAAGCCTTCAACCGCCAGAGCAACTTTTCGCCGAGTATCGGGAATGGCACCGCAGTCCGATGGGGAAGT
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 GATGGCCTATATCGCGCAGGCAAAATTTGAAGATTCACCCAGGGGTTGCCATGACTGTCGAAGAACAGAC
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 TCTCCCGAGGGAAGCGCGGGTCTGATGCTGTTACCTTCGAGGTGCACCATGAGATGGCCAGCATCGATAC
 AGGACTGAGCTATTCTAGTACAATGACACCTGCTAGGGTGGTGCATAACA AACTGATATGGGAATTCAT
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 CCAAGGTTGGTGCCCAAAGAACGGGACGCTCCTCAGAGATCCCCGGACCTACCTCGCCGGCATGACTAA
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 GCAGACGTGGCCTACTTTCAGAAATCCAATAGTCTCGCGCCGCGCGGCTTGCCTGTTAGTTGCGAGA
 ATTACAACCAAGAGGTGCTGAGGGTCTGATTTATGACCATAGCCGCCAGACGCCCGGTATGAGTATAG
 AAGCACAGTGAATCCTTGGGCTTACAGCTGGGTAGTCTTGGAGACATTATGTACA AACTCTAGCTACCGC
 CAGACTGCTGTCCAGGACTGTACAGCCCTTGTGCGCCTTCTTCAACAAGGAAGAGCTGCTTAGAATA
 ACAGAGGACTGTATAATATGGTCAATGAGTACAGTACAGATTGGGGGTCAACCTGCCACTAGCAATAC
 AGAAGTGCAGTTCGTGGTATCGCCGGAACGGATGTTTTTTTGGAAACAACCATGCAGTTTCTGCAGGAG
 GCCTTTCCCGCTGTGCGCCTTCCAGAGCCTTGTGACGAATTATGTCCGTTAAGCAGACCCACG
 CACCCATCCATTATGGCCATTATATTATCGAGGAGGTAGCTCCAGTTCGGCGAATACTCAAATTTGGCAA
 TAAAGTGGTGTTT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101157 representing YP_401697
 Red=Cloning sites Green=Tags

MASNEGVENRPPPYLTVDADLLSNLRQSAEGLFHSFDLLVGKDAREAGIKFEVLLGVYTNAIQYVRFLE
 TALAVSCVNTFEKDLSRMTDGGIQFRISVPTIAHGDGRRPSKQRTFIVVKNCHKHHISTEMEL SMLDLEI
 LHSIPETPVEYAEYVGVAVKTVASALQFGVDALERGLINTVLSVKLRHAPPMFILQTLADPTFTERGF SKT
 VKSDLIAMFKRHLLLEHSFFLDRAENMGSGFSQYVRSRLSEMVAAVSGESVLKGVSTYTTAKGGPEVGGVF
 IVTDNVLRQLLTFLGEEADNQIMGPSSYASFVVRGENLVTAVSYGRVMRTFEHFMARIVDSPEKAGSTKS
 DLPVAAGVEDQPRVPI SAAVIKLGNHAVAVESLQKMYNDTQSPYPLNRRMQYSYFPVGLFMPNPKYTT
 SAAIKMLDNPTQQLPVEAWIVNKNL LLLAFNLQNALKVLC HPR LHTPAHTLNSLNAAPAPRDRREYSLQ
 HRRPNHMNVLVI VDEFYDNKYAAPVTDIALKCGLPTEDFLHPSNYDLLRLELHPL YDIYIGRDAGERARH
 RAVHRLMVG NLP LAPAAEQEARGQQFETATSLAHVVDQAVIETVQDTAYDTAYPAFFYVVEAMIHGFE
 EK FVMNVPLVSLCINTY WERSGR LAFVNSFSMIKFCRHLGNNAI SKEAYSMYRKIY GELIALEQALMRL
 AGSDVVGDES VGGYVVCALLDPNLLPPVAYTDIF THLLTVSDRAPQIIIGNEVYADTLAAPQFI ERVGNMD
 EMAAQFVALYGYRVNGDHDHDFRLHLGPYVDEGHADVLEKIFYVYVFLPTCTNAHMCGLGVDFQHVAQTLA
 YNGPAF SHHFTRDEDILDNLENGTLRDLL EISDLRPTVGMIRDLSASFMTCTPTF TRAVRVSDNDVTQQL
 APNPADKRTEQTVLVNGLVAF AF SERTRAVTQCLFHAIPFHM FYGDP RVAATMHQDVATFVMRNPQQRAV
 EAFNRPEQLFAEYREWHRSPMGKYAAECLPSLVSISGMTAMHIKMSPMAYIAQAKLKIHPGVAMTVVRTD
 EILSENILFSSRASTSMFIGTPNVSRREARVDAVTFEVHHEMASIDTGLSYSSTMTPARVAAITTDMGIH
 TQDFFSVFPAEAFGNQQVNDYIKAKVGAQRNGTL LRDPRTYLAGMTNVNGAPGLCHGQQATCEIIVTPVT
 ADVAYFQKSN SPRGRAACV VSCENYNQEA EGLIYDHSRPAAYEYRSTVNPWASQLGSLGDI MYNSSYR
 QTAVPGLYSPCRAFFNKEELLRNNRGLYNMVNEYSQRLGGHPATSNTEVQFVVIAGTDVFLEQPCSF LQE
 AFPALSASSRALIDEFMSVKQTHAPIHYGHYIIEEVAPVRRILKFGNKVVF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_007605

ORF Size: 4143 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:	<ol style="list-style-type: none">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:	<u>NC_007605.1</u> , <u>YP_401697</u>
RefSeq ORF:	4143 bp
Locus ID:	3783688
UniProt ID:	<u>P03211</u>
MW:	153.9 kDa