

## Product datasheet for **VC101052**

### helicase-primase subunit BBLF4 (NC\_009334) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	helicase-primase subunit BBLF4 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	helicase-primase subunit BBLF4
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 VC101052 represents NCBI reference of YP\_001129475 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGAGGAGCCAAGGGCTCCCGAGGCCCTGTCAAGCACTTTCATGCTGAACATGACATCAGACGCCCT  
CTGTTTCGCCGAATCGTTTCGGCGAATCGGCACACTGGCCAAGCGGAGAGTGCAGCAGCTGCCAGACATGGA  
AACCTTCTCACCCGAGTTTGATCCCGAAATTTCCGAGCCTCCCTTCTGCCATTTTCCGCCTACGTGATT  
ACTGGTACAGCCGGCGCTGGGAAGTCCACTTCTGTGTCATGCCTCCATCATACAATGGATTGTTTGGTGA  
CAGGAGCCACAACCGTCGCGGCGCAGAACCTCAGTCAAACCTCAGAGCGTACTGCCCGACAGTGTACAG  
CGCGTTTGGCTTTAAAAGCCGCCACATCAACATGACACAGAGAGTTTCTCACATGGTAGGAGCACCGAC  
GCCGCTCTTGAAGAACTTCAGCGCCGCGACATGGCTAAGTATTGGCCAGTGTTCAGATATCGCAGCCG  
AGTTTTCGCGGACAAAGCCAAGGGGACTTTATTCTGGTGTGTCCGGCCCTGCATTGCAAGTGTGAGGGA  
TATGCACCAAGGCCAATTTGTGGACAACGAATGTGATCGTGGTGGACGAGGAGGAACCTGTCCGTACAT  
ATCCTGACCGCTGTTGTTTTTGTCTATTGGTTTTCAATGCATGGCTCAGAACCCCTCTCTACAGGAGAG  
GACGGATCCCTTGATCGTGTGCGTTGGTTACCCACCCAAACAGATGCCTTCCAATCTAGCTTTAGCCA  
TGAAACACAAGTGAATAAGATAAGAGAATGTGACAACATTTCTACTTTCTTGTGGGCAACCCTAGAGCC  
GCCACTTACGTCGACGTAGCACGGAACCTGGGCATTGTTTATAAATAACAAACGGTGTACCGACGTGCAAT  
TCGGACACCTGATGAAAACCTGGAATACGGACTCGAGCTGTCTCCAGATATCCTGGCGTACGTGGATCG  
CTTCGATGTTCCACGCGCGGCTATCATGGATCCAACACAGTACGTGGGATGGACACGGCTTTTCTTTCC  
CATGCCGAAGTGAAGACTTTCTCACACTCTCCACGCTACACTCAAGACCCGCGGTGAGGCGAGCCG  
CTAGGGGAACCGGGGAGACGGAGGAGGGTGACAATGTTTACTTGTCCGTAGAGTGCAGGTTTTTCT  
TGAGCCCTTGGCTCAATATAAGACCCTGGTAGGACTGCCTGGTCTTACAGCTCACACATGGCTGCAGAAA  
AATTATGCACGCCTGGGCAACTATAGTCAATTTGCCGACCAGGATATGGTCCCTGTGGGACAGAACAGG  
ATGAAGAGAGGGTTAAGGTGACCTATAATGTGACTTACGTTAAGCACTCAAGCGTGAAGTGTAAACTGCAA  
AACCAAGAAGAGCATTTCGGGATACACGGGCACCTTCGGGGACTCATGGACACACTTGAGGCTGATTCC  
TTCGTGGAGGCACACGGGCATGAGCAACCTGAGTATGTGTATTCTCGCCAGGCTTATCTATGGT  
GAATCTACGATTTAGCCACGGAGGACATTCCTCTGTGAAAACGGGGAATACGTGGCTGAGCTTGGTGC  
CGTGCCGCTGCCAGGTAGGACCTGGGACCCGAAGTTACGGCTGGCATGGAGCTCGGAGAGTTGCCCTCTG  
GAGGTCGCTGGGATGGAGAGCGAGTCCCTGCTGCCGTGTTCTACGCGAGGGTGTGGCACCCCCAGCCG  
CCAACAGCGCTCCCCTGTGCTCACTGCTGAATATATAACAGACCTGAGGGCTTATTTTCGCCAGTGCCT  
TGATGTGCGCGTTAGGTATGGGCGCCGCGAGTTCCGCGACCTTCCGTTTTGCACCTTACCAATAATATG  
CTCATTAGAGATAATATCGAGTTCACCAGCGACGAGCCGCTGTTGCATGGGCTCTTGACTATGCCTCCA  
CTACCGAGAACTATACTGCTCGGCTATACCCACCTGAACGTTTTTTTTGGAATTAGAGGCAAACAACA  
GCCTCAAGACGCAGGCTCATCAAGAAATGCCGAGACTGATGGTCAAGGATGAAGCAGGTTTGTGTGCTGC  
CTGGAACACAATACTAATAAACTGTACGAGACAATCGAGGACAAAAGTCTGAACCTGTGCTCAATACGAG  
ACTACGGGATAAGCAGTAAGCTTGTATGACGATCGCTAAGGCTCAAGGGCTGTCCTTAAACAAGTTGC  
CATATGTTTTGGCTCCCATAGAAACATTAAGCCTGGGCATGTTTACGTTGCACTTAGCCGGCGCGCCAT  
TCCAACCTGCGTTGTAATGGATAGAAACCCCTGTCTGAAATGATAACCGGAGAGGAAACCCAGCAAGCG  
GATATATTGTTGATGCCCTGAAAAATTCCCGGGCTTTGCTGGTGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101052 representing YP\_001129475  
 Red=Cloning sites Green=Tags

MAEEPRAPEALSSTFMLNMTSDASVRRIVRRIGTLAKRRVQQLPDMETFSPDFDPEISEPPFLPFSAYVI  
 TGTAGAGKSTSVSCLHHTMDCLVTGATTVAAQNLSQTLRAYCPTVYSAFGFKSRHINMTQRVSSHGRSTD  
 AALEELQRRDMAKYWPVLSDIAAEFRRTKPRGLYSGVSGPAFEVLRDMHQGLWTTNVIIVVDEAGTLSVH  
 ILTAVVFCYWFNWLRTPLYRRGRIPCIVCVGSPTQTDAFQSSFSHETQVNKIREDNLTFLVGNPRA  
 ATYVDVARNWALFINNKRCTDVQFGHLMKTLEYGLELSPDILAYVDRFVVPRAAIMDPTQYVGVTRFLS  
 HAEVKTFLTTLHATLKTAGQGRAARGTGGDGGGVMTFTCPVECEVFLEPLAQYKTLVGLPGLTAHTWLQK  
 NYARLGNYSQFADQDMVPVGTEQDEERVKVTYNVTYVKHSSVSVNCKTKKICGYTGTGDFMDTLEADS  
 FVEAHGHEQPEYVYSFLARLIYGGIYAFSHGGHSLCENGEYVAELGAVPLPGRTWDPEVTAGMELGELPL  
 EVAWDGERSPAAVFYARVLAPPAANSAPLCSLLNIYNDLRAYFRQCLDVAVRYGRREFRDLPFCTFTNNM  
 LIRDNIEFTSDEPLLHGLLDYASTTENYTLGYTHLNVFFGIRGKQQPDAGSSRMPRLMVKDEAGFVCC  
 LEHNTNKL YETIEDKSLNLC SIRDYGISSKLAMTIAKAQGLSLNKVAICFGSHRNIKPGHVYVALSRARH  
 SNCVMDRNPLSEMITGEGNPASGYIVDALKNSRALLVY

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

## Cloning Scheme:



ACCN: NC\_009334

ORF Size: 2427 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\\_001129475](#)

**RefSeq ORF:** 2427 bp

**Locus ID:** 5176217

**MW:** 90.0 kDa