

Product datasheet for **VC101055**

helicase-primase subunit BBLF2/3 (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	helicase-primase subunit BBLF2/3 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	helicase-primase subunit BBLF2/3
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 VC101055 represents NCBI reference of YP_001129478 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGGAGACACCAGCGGAGTCACTGAGAGCACGGGTCTCTAGTGTACCTTCTATAACGTGACACAAA
CCGCAGGCCGGTGGTGGGCCATTTGGGTTGTGGGGATCGTGCCGATTAACGAGAGGACGTTGAGACTCT
GATTGTTGTGCAGGCATGCCAGCCACCACTGGGAGGGAGTCTGGAACCCCAAGTGGTCAACGCGCCGAGC
ACAACCGAGCTGAATTTCTGCGGTGGGAGAGGAACTGCGCAGGTCCGGAGGACTGATCGCCATGCTGG
CTGACGCTGCTGAGAAAGACCTCTTTGATCTCTCCTTCAGAACTCGGGATCGGCGATTGCTCAGCGCCGC
TAGAGTTGAGGATGAGCAGGGCCTGATTTCCAGCCACTGTTCCCGCCAGGTCGTGTCCAGAGCTGC
AGTGGGGATGATGGCCGCGACCAACAGCCACCTCCAGTGGACGGATTCGGCAGCGAAATGGAGGGAGAGC
AGACTTGTCCCGCACAGAGACTCTGAATCACCTGGCCAGCTTGTGTGTATATCCGGACCCGAGC
CGGAGACGTTTTTACATATAGTACCGAAACCCAGATGATCCCTCCCTGTACCCCTTTCGGGATATCCTG
AGGCCTGTTACATATGAAGTGGACCTGGTGTGAGCTCTGACGGTGAACAGGGCGGGGGGAGACGCTCGAC
GCCACAGAGTCTCCCTTAAGATCCTCGAGCCCGCCGGAGGCTTTGAGAGCTGGCTTGTCAACTCATGGAG
CATGGCAGGTGGAGGCTTGTATGCCTTTCTTAGATCCATCTATGCCTCATGCTACGCCAACCCGCGGA
ACAAAACCGATTTTCTATCTCCTTGATCCTGAACCTGCCCCGGTGGCAGCGACTCCAGCCATACGTCC
CGGGATTTCCCTTTCTTCTATACTACCTGAGCGCGCTCGCCCTGCCTTTTGGCATCGCGCACCTCA
CTCAGAGGGTCTGCTGCTGGATCTGAATCTGGGCTGAGCGGTAATCCCTTGGCGACGACTGCTG
GGGCTGGACGCGCGCAGCGGACAGCGCCGCGGATCTCTCCTCTGCAGCAAATCTGGCCCTCTACCCGAA
AGGAAATAAACCCAGGCATGTTTGCACCCGGGAAGGCGGTGAAGGTGGTGGCGAAGACGAGACGACCGT
AGTGGGACAGGCCGAGGCCACGGCAATTTTGAAGCAGATGCAACATGGTGGCTGTATGAACTGGCACGG
TGTCTATCTGAGCGCGAGAGGAGCCCGTGGGACACCCGATGGTGGGGACAGGCCCGCGACGCTCAGA
CATGGCTCAGAGCCCTCCACAGATATGGGACATCCGACACTCGGAGAGCGCTCGGGGATTGTATACCGC
AGTGACTCGGGTACTGTTGCACGCGCCGCGGACCTCGGCCTGACATGGGCATATGCCGATGAGTTTATC
CTGGGATTTGTGGCTCCAACCTGCTCACCCATCTGAGGAGCCCTCGCTCAGGCCTTCTGCAGGGGG
TGAAGGATTCTGAGGACGCAAGCCGGCTGGATAGGGACGTAATGGGAGGCGAAGCTACCGTCGCAAGGCG
CCACATCCGAGTCAAAGCTCGAAGAGGCCCTGGGTGTCTTTGATGGCCATCTTCAAGGAGATCTGTAC
GTGGGCGGGTGTGCGGAGCACTCCGGTCCCTTCTGGTATGGCAGGAGGCAATTTCTTGGAGCTGGATC
AGCTGGCCGCGCGGCCGAGGCAGATAAGGCCCTCCATCTCATGACCATCTGCTGACGCTTGTAGAGA
CCTGACTAGACGCTGGCGCCAGGACGGAGGCGCAATCGATTTTGGGCGCTGCCTCGGGCTTGGCTGCAG
CGGCTGCGGAGAGCAGGACTGAGGCTGAGTGGCTCACATGTCTGCCTTCTGGACAAAGATGGAGCCCGCC
CCGACCATGCCAGACTGCGACTGAGCACGGCTTGTCCCTACCGCATATTTCCGGGAGATCATGGCCTT
TCTGCTGGATGTAATCAGCGCTGACCCCTGGCTATAACAATTCCTATGGAGATTACTAGAGAGACAGAC
CTGCTCATGACAGTGTCTCACTGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101055 representing YP_001129478
 Red=Cloning sites Green=Tags

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MMETPAESVRARVSSVTFYNVTQTAGRWWAIWVVGIVPIKREDVETLIVVQACQPPLGGSLEPPVFNAPS
TTELNLRWERELRRSGGLIAMLADAAEKDLFDLSFRTRDRLLSAARVEDEQGLIFQPLFPAQVVCQSC
SGDDGRDQPPVPVDFGSEMEGEQTCPHAQRHSESPGQLDVYIRTPRGDVFTYSTETPDDPSPVPFRDIL
RPVTYEVDLVSSDGTGRGGDARRHRVSLKILEPAGGFESWLVNSWSMAGGGLYAFLRSIYASCIYANHRG
TKPIFYLLDPELCPGGSDFQPYVPGFPFLPIHYVGRARPAFWHRAPHSEGLLLLDLNLGVSGLPLADALL
GLDARSGQRRGSLLLQQIWPPTKEINPRHVCTREGGEGGGEDETTVVGRAEATAILEADATWWLYELAR
CHLSARGAPVGTDPGGGQARDAQTWLRALHRYGTSRRRRLGGLYTAVTRVLLHAAADLGLTWAYDEFI
LGFVAPTSAPHPSEEPLAQAFQGVKDESDASRLDRDVMGGEATVARRHIRVKARRGPGCLLMAIFQGDLY
VGGCREHSGPFLVWHEAFSWTLDQLAARPEADKAPPSHDHLLTLVRDLTRRLAPGRRRRNFALPRAWLQ
RLRRAGLRLSGSHVCLLDKDGARPAPCQTATEHGLSPTAYFREIMAFLLDVISALHPGYTIPMEITRETD
LLMTVLSLF
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TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_009334

ORF Size: 2127 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_001129478](#)

RefSeq ORF: 2127 bp

Locus ID: 5176202

MW: 78.2 kDa