

Product datasheet for **VC102324**

putative DNA-directed RNA polymerase II (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	putative DNA-directed RNA polymerase II (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	putative DNA-directed RNA polymerase II
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102324 represents NCBI reference of NP_612256 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCAGGCTCATTTGTCATATTGGAAGTGCACCCAGCGGCTTGTTCACCACCACATCGCCCACTATGAAC
ATCTGCTCAGGGTTCAGATCCCTCAAGTGGTGGAGGGGAGCCTCCTGTCATCATCCACAACCACTCCGT
AACATTTGGCGATGTAGCATACTCCAAGCCATCACCTGAGACCCAGGGCAGCCCGAGCCTACGATGAG
ACTTATGAGACGACGGTTTCATGCAAAGCCTATCTGACCTGTATGGCCACTGGGGCAAAGCATGTGCAGC
ACATCCACAATCTCGCAAAAATGCCAGTGATGGTCAGAGCCCTCCTCTGTCTCAGGGTATCGGGCAGTG
CGAAAAGGACCTGGGGTTATTTTCATTGTGAAAGGCAAGGAGAGGATTATCATCCCTCACATCCACACA
GCCTACAACATTCCAATCACAATGCACTGTACCACCAAAAAGACCCTGGTTTGTGAAATGAGGACTCATA
ACGAGACCACCGCAATAACCTGCTTGTAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG
GCCTTACATTAAGAGCTTTCTGCCAGCCGGTGTGTGTTCAATGCCCTGGGCGTGAGCGAAGAAGACATG
TTGAGATATTGCAATCTGGCGTGGCAGCGGACGACGCAAGGGGGCTACGTACGCAACACATCGCTATGG
TACAGTATATGCTTATGCAGTACCGGGAGTGCCAACCGGATCCTTTGAATACATCGCCAAGATTGTGGC
CCAGCCCACGGTGACGGCCGAATACGTTTCGAGTGTGTTGGCTGGGGTCATGTTTGTGCACTACCCCA
GATATGTCCGGCCAACATCTTGGCTACATGGTAGCTACCTTGATACCGCCACGTGTTGGGGCTGTCC
ATGACAAGGACAATCTGCGGTGGAAGGGTGGACACGAGTGGAGCCCTCATTCTGTTTCTGTTCCGAAA
TCTGTTCAAACAGTGGGTGTGTACGGTGAAGCGGGTCAATGGAAAATCATGCGTGGTGGCGTCCCTGAC
CTCCAGGGGAAGTCCGGAAGTGTAAACGCCATCACAATGTGATTACTAATGTACTCCATCTTGCTTTG
CAACCGGTAACGGTCTGTACGAAAGAATAGTGGCACTTCCAAGAATACTTACACACCTAGAGGGGTTAG
CCAAGTATGTGTGTTGAGAACTACGGCGCCGAATCTCCAACCTGCGACGCATGACACATGCAGTCGGG
TTCAAGGGAAAGAATATCAAAGTAAGACAATCCATAATTCACACAATGGTTATATCTGTCCTTACGAAA
CTCCAGAGGGCGACCGGGTCGGCAATGTAGTGCAGCTGGCTTTGTCCGCGACCATCACAGTCCAGTCTG
TCCAGAAACATACGGACCCTCATGATAGCGCATTTGCCTCGCTGATCCTCAGGGTAACCGAGCCG
GTACTGCTGAACGGCGAGATTGTAGGATGGGTGAAAGACAGGATGCTGTGCGGGATGGCCATCATGCATA



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TGCTGTGGGATTATCCTGATGTAACCGTCGTTTTAGGCACGGCTATGGTGTGCACGTGTATAGCGAAGG
CGGTCGCTTCATGCGCCCGCTCATCCATAGAGGGCAGTATCGAATGGTCTGTCCCTCTTTGGTGCAGGAG
CTGCTGGTACGCCCATTCCTCCCTCCCCACAGAACGGGTGGTTTCAATGGATTCTATGAGGGCCGATTTC
TGGACTTGCCCGGCATTGTTGTGTTGACCGATGCGATGAGCGCGGTAATACCATTTCTACAACCACACACA
ATCACACGAAACGCTTATCAGTCCAATATGGGCAAGCAAGCGGTGGGCTGCCTTGTCTGAATTATATG
AGCCGCTGGGATGTCACACTGGACGTCCTTATGTACCCCAAGTGCCACTGTCCCGCTCAAAGGCCATGG
ATGCCCTGTCTTTGATACTATGCCTCACGGTGCATGTCCATTGTTGCCGTTCTTACCTTTGATGGATA
TAATCAAGAAGACTCTATCATTTTGAATCGCAGCTCAGTGCAGAGGGGGATGTTCTGTTAGCACCATTAC
AAAACCTCTCTGTGAGTGTGAGAAACACGTGAAACGATGCGAATTCGAGAGGATCATGCGGGTTCAGTCG
ATAAGCGAAGGCCCGGTCTGGTCTACGATTACTTGGGCGACGACGGGATTTTGACCCTGCTCTTGCCAG
GGGAATGTTCTGGCAGCCGGGTGGTGGTGGTGGGAAAATGAGCTTTGATCAATCCAGACCTGAGGGT
GCGTGTGTAGTCTGCGCGTAAACACACGAGGAGGGGTACTTTGATGACAAGTTGGTCTTCAACATGG
CAGATGGATGCAATGTGTGAAGATTAAGCTGCGCAAAATCCGCATTCCAGAAATGGGAGACAAATTTGC
AAGCTTCACGGCGCAGAAAGGAACATGCGGTATGATGTACGACCAGTGGGACATGCCCTTACCCTGAC
GGCGTCGTGCCGACCTGGTGATTAATCCCATGCCTTTCAAGCAGGATGACTGTCCACTATCTGCTGC
AGATGTGTTTTGAACCTGGGGCCGTGCTGGCGGGGTAAAGGATATGACGCTACTGCATTAAACAGCGA
CGGCGCCGATCTGCTGAAGACTCTCAAGAACTCGGATACGCTAAACAGGTCATGTATTGTGGAAGAACC
GGTCGGCGGTTTGAAGTCCCTTGTGTTTATGGCGCCTTGCCATACCAGAAGTTGAAGCATCTCGTGGCCA
ATAAGGTTTCATGAAGGACGACTGGACCCGTTGACCCTCTGACCCGCCAGCCTGTAGCCGGACGATCACG
GGATGGCGGTATTAAGTAGGGGAGATGGAGCAATGGTGAAGATATCTCATGGGCGCAGCTGCAGTGC
CACGAAAGCATGACAATATGTCCGACCCGTACACCGTCCAGTGTGCTCCGTGTGCCACGTGATGACTG
ACAGTTACGACGTTTGCAGACACTGCAGGTCAGTGAGTGTGCAGACATACGCCATGCCGTACACATCTAA
ACTTTTTTTTTCAGCAACTCGCCAGCATCGGGATCAAGACCAGAATCATGGAT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102324 representing NP_612256
Red=Cloning sites Green=Tags

MQAHLSTWAPQRLVHHHIAHYEHLRLVQIPQVVEGEPPVVIHNSVTFGDVAYSKPSPETPGHARAYDE
TYETTTSCKAYLTCMATGAKHVQHIHNLAKMPVMVRAPPLCQIGICEKDPGGYFIVKGKERIIPHIHT
AYNIPITMHCTTKKTLVCEMRTHNETTGNLLVKVRLMQGCIEMSVPIKSFPLPAGAVFNLGVSEEDM
LRYCNLAWQRTTQGGYVSEHIAMVQYMLQYRECQDPPEYIAKIVAQPTVTAEYVRSVLAVGMFCHTTP
DMSGQHLGYMVALITAHVVGAVHDKDNLRWKRVDTSGALILFLFRNLFKQWVCTVKRVMEKSCVGVDP
LQKSGSVNAITNVITNVLHLAFATGNWLVRKNSGTSKNTYTPRGVSQLMCVQNYGARISNLRRMTHAVG
FKGKNIKVRQLHNSHNGYICPYETPEGDRVGNVQLALSATITVPVCPNRNIRTLMSALPRFADPQGNQP
VLLNGEIVGWVKDRMLCGMAIMHMLWDYDPDVTVFRHGYGVHVSSEGGFRMRPLIHRGQYRMVCPSLVQE
LLVRFPSPPTERVVSMDSMRADFMDLPGIIVLTDAMSAVIPFYNHTQSPRNAYQSNMGKQAVGLPCLNYM
SRWDVTLDLVMPQVPLSRSKAMDALSFDTMPHGACPIVAVLTFDGYNQEDSIILNRSSVQRGMFVSTTY
KTLCECEKHVKRCEFERIMRVPVDKRRPGLVYDYLDDGIFDPALARGMFVAAGVVVVGKMSFDQSRPEG
ACCSLAVKPHEEGYFDDKL VFNMDAGCKCVKIKLRKIRIPEMGDKFASFTAQKGTGCMMDQWDMPTAD
GVVVDLVINPHAFPSRMTVHYLLQMCFELGAVAGGGKGYDATAFNSDGDLLKLEELGYAKQVMYCGRT
GRRFESLVFMAPCPYQKLKHLVANKVHARTTGPVDPLTRQPVAGRSRDGGIKIGEMEQQWCKISHGAAAAL
HESMTTMSDPYTPVCSVCHVMTDSYDVCRHCRSVSVQTYAMPYTSKLFFQQLASIGIKTRIMD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 3132 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_003494.1](#), [NP_612256](#)

RefSeq ORF: 3132 bp

Locus ID: 935305

MW: 116.7 kDa