

Product datasheet for **VC102309**

putative DNA polymerase (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	putative DNA polymerase (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	putative DNA polymerase
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 VC102309 represents NCBI reference of NP_612241 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**

ATGGATTCAGTGTATATCTACCACTGGCTCTATGCCAACTACGAGGTGCGGGGATACGGTATCGCCCCGA
ACAATACCGTGGTGTGCGTGCCTACCAACTTCAAACAGGTGGTGTACGTGGAATGCACCGACCCCCA
ACAGCAGGATCCAGGTCCACATTCACCTCAACATGGGTTTACAGTCTACGAACTCCCGAGCCTGTTCA
TTGTATGGAGCTAAAGCGTCGGGACTTATTTTCCCGCAGAGTGCCTAACTATAATGCGATGCGAGATG
TCCAGGAACTCAGGGACCTTTTAAATCCACGAAAGCAGAGTACGCAAGACAATGGAGTTCACAGCAG
CGCAGGTCTTCTACGGTGGGTTGGATCCAAGTAAGTCAAAGATGCGTTGTACACGGACAGTACGATG
GCTGCTAAGGAATACATGGTACCAAACTGGCGAACCGATGTTGACACAGTCCCGACATGGAGGGCGTTC
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CTTTTATCGCCTATATCCGGGAGCATGAGGTGCTCGCTGTGTGCGGGTATAACATTATGGGGTTCGATAT
CCCCTATATCATCAAGAGATGCGCGCGGACAAGCATGCTGGGCACGCTGCGCCGCATAGGCTTTGACAAT
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CTTACGTGCACAAACAGCTGCTCCGACGAACGACCCCGGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102309 representing NP_612241
 Red=Cloning sites Green=Tags

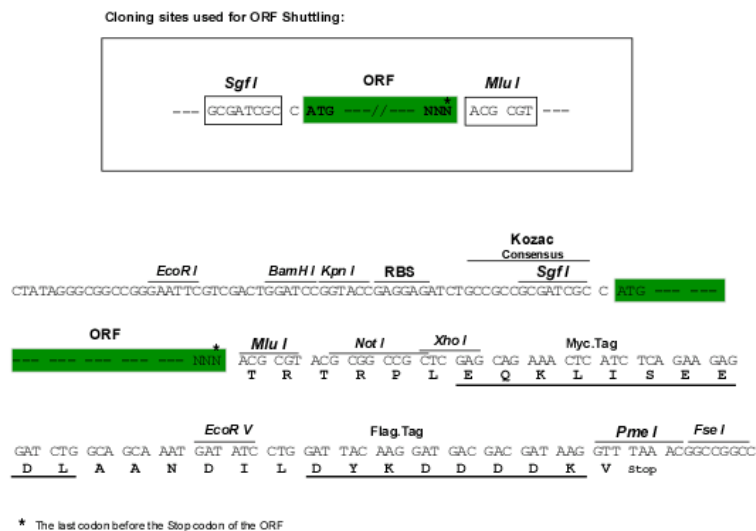
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 LSLPGRDYDDSVYQYATEGELLHAFIAYIREHEVVAVCGYNIMGFDIPYIIKRCARTSMLGTLRRIGFDN
 RRLAIEKTAGVGHAKMTYIQWEGVLTIDLMPPIIMMDHKLDSYSLDYVANHFVKAGKDPIRPRDIFHAYNT
 GMMARVGRYCVKDTQLCKQLVDYLTNWVALCEMAGVCNTSIMQLFTQGGQVRVFAQIYRDCPTMDVVDKV
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 AHEGVLPRVLRNLLESRARIRARIKTDDPDIRAVLDKRQLAYKISANSVYGTMTQRGYLPFMAGAMTT
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 CIYTKFIIFTKKRYVYRAFTRDGKQRTGSKGVMLSRDSAMCARNTYAAIMNTILEGSADVFFIAACMMH
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 AQAQLAERMRLQGRAVVSAGARIEYVVLKHQYGVPEGALGARLLDFERWREMKVAYPLDRLYYMKSVMNAC
 DQLLVTAGYGPVCSKVYAAHLQLAYVHKQLLRRTTPAV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 2844 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_612241
RefSeq ORF:	2844 bp
Locus ID:	935389
MW:	107.1 kDa