

## Product datasheet for **VC102192**

### Polymerase (NC\_003977) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Polymerase (NC_003977) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	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 VC102192 represents NCBI reference of NP\_647604 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCACTGAGTTACCAGCATTTTGAAGCTGCTGCTTCTGGACGACGAGGCAGGCCCTCTGGAGGAAG  
AGCTGCCGCGGCTGGCCGACGAGGGATTGAATCGCCGGTGGCCGAGGACCTGAATCTCGAAAACCTCAA  
TGTTTCCATCCCCTGGACCCACAAGGTGGGCAACTTTACAGGCCTGTACTCTCCACGGTCCCCGTTTTT  
AACCCCGACTGGAAAACACCTTCTTTCCACATACATCTTCAGGAGGACATTATTAACAGGTGCCAGC  
AGTATGTCGGCCCTCTACTGTTAACGAGAAAAGGCGGCTGAAGCTGATCATGCCGCTAGATTCTACCC  
CAATCTGACCAAATACCTGCCCTGGACAAGGGTATCAAGCCGATTATCCCGAGTATGCCGTTAATCAT  
TACTTTAAAACACGGCACTATTTGCATACCCTGTGAAAAGCCGGTATTCTGTATAAAAGAGAGACCACCA  
GGTCAGCCTCATTTTGGGAAGCCATACTCTTGGGAACAGGAGCTGCAGCACGGCCGACTGGTCTTTCA  
AACCTCTACCAGGCATGGCGATGAGTCCTTCTGCTCTCAAAGCTCAGGAATTCTGTACAGCTCACAGTA  
GGCCCCGTGTGAGATCTCAGCTGAAAACAGTCTCGCCTTGGCCTTCAACCGCAGCAGGGAAGTCTGGCGC  
GGGGTAAGTCAGGCCGATCCGGCTCCATTTGGTCCAGAGTGCATCCTACAACACGGCGCCCTTTCGGGGT  
CGAACCTTCAGGATCAGGACACATAGATAACACAGCCTCCTCAACATCCTCATGCCTCCACCAGTCTGCC  
GTCCGCAAAAACAGCCTATAGTCATCTCTACGTCCAAGAGGCAATCCAGCTCAGGACATGCCGTTGAGC  
TGCACAACATCCCCCTCTAGCGCTAGATCTCAGAGCGAAGGGCCTATCTTTTCATGTTGGTGGCTGCA  
GTTCAGGAACAGCAAGCCGTGTAGTGATTATTGCCTGACTCACATCGTGAACCTTCTGGAGGATTGGGGG  
CCTTGCACCTGAGCACGGTGAACATAATTCGGATTCGCCGAACCCCTGCTCGGGTGACAGGAGCGTGT  
TCCTTGTGGATAAGAATCCCCACAACACAACCGAGTCCAGACTCGTCGTGGACTTCAGCCAGTTCAGCCG  
GGGATCTACACACGTTTCTGGCCAAAATTCGAGTCCCTAACTTGCAAAGCCTGACGAATTTGCTGTCC  
TCAAATCTCTCTGGCTCAGCCTGGACGTGAGCGCTGCTTTTATCACATCCCCCTCCACCCTGCTGCGA  
TGCCACACCTCTTGGTGGGGAGCTCTGGACTTCCCGCTATGTCGCCAGACTGAGTTCAACTTCTCGCAA  
TATCAACTATCAGCATGGTACAATGCAAATCTCCACGATTCTTGTCTAGGAACCTGTACGTGAGCCTG  
CTCCTGTTGTACAAAACCTTCGGTTCGCAAGTTGCATCTGTATTCCCATCCCATCATCTTGGGTTTTAGGA  
AAATCCCGATGGGAGTGGGACTCTCTCCCTTCTCTCGCCAGTTCACCTCCGCCATTTGTAGTGTGCT  
CAGGCGAGCGTTTCCCCATTGTCTGGCTTCTCTTATATGGATGACGTTGTACTGGGTGCTAAGTCAGTC  
CAACATCTGGAGTCTCTTTCACAAGTATCACCAACTTTTTGCTGTCTTGGGGATCCACCTCAACCCCA  
ACAAGACTAAGAGATGGGGTACTCACTTAATTTTCATGGGATATGTAATCGGAAGTTGGGGAACGCTTCC  
GCAGGAGCACATCGTTCAGAAAACCAAGCAGTGTTCGCAAGCTCCCCGTTAACCGCCCTATAGACTGG  
AAGGTTTGTACGCGCATTGTCCGGCTTTTGGGATTTCGAGCTCCTTTCACCCAGTCCGGCTACCTGCTC  
TTATGCCTCTGTACGCTTGTATCCAGAGCAAGCAGGCATTCACTTCTCACCGACCTACAAGCATTCT  
GTGCAAGCAATACCTGAACCTCTACCCCGTGGCAAGGCAGCGCAGCGGGCTTTCAGGTTCTTTCGGCAG  
GCCACCCCTACCGCTGGGGTTTGGCTATTGGACACCGGAGAATGAGAGGCACATTCGTCGCTCCGCTGC  
CCATCCATACAGCCGAAGTCTCGCCGCTGTTTTGCTCGTCCAGATCAGGCGCCAAACTGATCGGAAC  
AGACAACCTGTAGTGTGTACGAAAATATACGTCCTTCCCTGGCTGCTCGGGTGCCGCGCAAACCTGG  
ATCCTGAGAGGTACCAGCTTCGTTTATGTACCCTCTGCGCTGAACCCCGCGACGCCAAAGCAGAGGAA  
GACTGGGACTTTACCGCCCTTGTCTCCACTGCCATTCCGACCCACAACAGGTCGGACTTCCCTTTACGC  
AGTCTCCCTAGCGTGCCCTCACACCTGCCGGACCGGGTGCATTTGCTAGCCACTGCACGTTGCGTGG  
AGACCCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102192 representing NP\_647604  
 Red=Cloning sites Green=Tags

MPLSYQHFRKLLLLDDEAGPLEEELPRLADEGLNRRVAEDLNLGNLNVSIPTWTHKVGNTGLYSSTVPVF  
 NPDWKTSPFPHIHLQEDIINRCQQYVGPLTVNEKRRLKLIMPARFYPNLTKYLPDLDKGIKPYYPEYAVNH  
 YFKTRHYLHTLWKAGILYKRETTTSASFCGSPYSWEQELQHGRLVFQTSTRHGDESFCSSQSSGILSRSPV  
 GPCVRSQKQSRGLQPQQGSLARGKSGRSGSIWSRVHPTTRRPFVPEPSGSGHIDNTASSTSSCLHQSA  
 VRKTAYSHLSTSKRQSSSGHAVELHNIPPSSARSQSEGPISCWWLQFRNSKPCSDYCLTHIVNLLEDWG  
 PCTEHGEHNIRIPRTPARVTGGVFLVDKNPHNTTESRLVVDFSQFSGSTHVSWPKFVAVPNLQSLTNLLS  
 SNLSWLSLDVSAAFYHIPLHPAAMPHELLVGSSGLPRYVARLSSTSRNINYQHGTMQNLHDSCSRNLYVSL  
 LLLYKTFGRKLHLYSHPIILGFRKIPMGVGLSPFLLAQFTSAICSVVRRAFPCLAFSYMDDVVLGAKSV  
 QHLESFTSITNFLLSLGIHLNPNKTKRWGYSLNFMGYVIGSWGTLPQEHIVQKQKQCFRKLVPVNRPIDW  
 KVCQRIVGLLGFAAPFTQCGYPALMPLYACIQSKQAFTFSPTYKAFLCKQYLNLYPVARQRSGLCQVFAD  
 ATPTGWGLAIGHRRMRGTFVAPLPIHTAELLAACFARSRSKAKLIGTDNSVVL SRKYTSFPWLLGCAANW  
 ILRGTSFVYVPSALNPADDP SRGRLGLYRPLLHLPFRPTTGRTSLYAVSPSVPSHLPDRVHFASPLHVAW  
 RPP

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/ja2293\\_f11.zip](https://cdn.origene.com/chromatograms/ja2293_f11.zip)

Restriction Sites: SgfI-MluI



**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\\_003977.1](#), [NP\\_647604](#)

**RefSeq ORF:** 2529 bp

**Locus ID:** 944565

**MW:** 94.6 kDa