

Product datasheet for VC100224

pol (AC_000005) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	pol (AC_000005) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	pol
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100224 represents NCBI reference of AP_000112 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATTGGTTCAAATAACCGCGCCGGGTCTGTCTACACTACACCAACTGACTCAAGATATCAGTCTC
CAGGGAGTCGGCCTTGTCACTCCACTAGCGTTCTACACCCTCACCAGCCCGAGCCTCCGGTCGGCATA
CGCCTCACCCGCTAGTCGGAGGACGAGAAGTCCCGCATCTAGTGGCTCTTCTTCAGCACCACCACTCCTG
AGCCGGCGAATCGGGAAGGTGCACCGGGGACCGTGGTGTACCCAGAGCGCATGGAATCCTGCACGCCA
TCGACAGCGCCAACGGTACACCCCTGGAGATCAAGTACTACTTGCACCTCCAACCGATTGACCGCGCT
GTGTGAGGTGAATCTGAGGGCCGTGCCAGCTGATATGTTGTTTTCACTCACTGATACTATGGACAGCAGC
AGGCTGTACGCTCTGATCTCCCGATTAGGCCCCAGTAGAGCTGAGATCTGGACATGTGCGCAGCAGGGGA
CGGTTACCCTCAGCGTCTCGCCTTCGAGGACCCCAATGGAAGCGGGAATGCCGCCGAGGAGGAAGAGGA
CGAGCGACAGCTGCCTAGCGGGATCGACTTTCCTATTTGCTTCTGGTACGGGGAAGACAAGTGCACCTT
ATCCAGCAAATTCAGCCTGTGCAGCGGTGCGAGCACTGCGCACGGTTCATAAGCATCAGCAGAGTGCT
CAGTCAGAAGACGGGACTTCTACTTCCATCATATCAATTCTCACAGCAGCAACTGGTGGCAGGAAATTC
CTTCTTTCCAATCGGAAGCCACCCAGAACGGAGCGCCTGTTTACCTACGACGTCGAGACATATACG
TGATGGGCGCCTTTGGTAAACAGCTCGTCCCATTCATGCTGGTTATGAAGCTCTCCGGAGACGATAACT
TGGTTAAACACGCTCTCCAGCTGGCGCTCGAGTTGGGATGGGACCAAGTGGGAAAAGGATCCACCACATT
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TCTCTCGCCACCGATTTGGTATGACGTTTCTTCAAAGAATCCGCATCTTTCTCAGTGGGCACAGGAGG
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ACCGCGTTTTGTAGAAGTGTATATCGTTGGACATAATATCAATGGGTTTCGACGAGATCGTTTTGGCAGCC
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GGAAAATCCTGTTCAACGACATTACATTTGCGCTTCCGAACCCACATTACAAGAAGCGCACAAATTTCT
CCTGTGGGAGCACGGCGGCTGCGATGACCAAGATTTCAAGTATCAGTACCTGAAAGTCATGGTGGCGGAC
ACTTTTGCCCTGACCCACACTTCCCTCAGGAAAGCTGCACAGGCCTACGCTCTGCCCGTGGAAAAGGAT



GCTGCCCATACAAAGCTGTGAATCAGTTTTACATGCTGGGTTTCATATCGCGCCGACGCTAACGGTTTCCC
CCTTGAGGAGTATTGGAAGGATAAGGAAGAATACCTGCTGAATCAAGAACTGTGGAAAAAGAAGGGCGAG
AAGAATTACAATCTCATCGGAGAGACTTTGAATTATTGCGCTCTGGACGTTCTGGTCACCGCAAGCTTGG
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CAAGTATACGAGGTGGCGGTGTTACCCTACATACATTGGTGTGCTGAAAGAACCCATATACGTGTATGA
CATTGTGGCATGTACGCGAGCGCCTGACTCATCCCATGCCTTGGGGACCTCCACTGAATCCGTATGAG
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TTTCGAGAGGGTCTACAGCCCAAACAGCTGGCCCTGGTGAATTCAGAGGCCGAAGAAAGCGATGAGGAC
CAAGGTCCCGCCCTTCTACAGTCCACCTCCCGAAAACCTGTGAACACGTGACTTACACCTATAAACCTA
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AAAGACGGAGGAAAGTTGGTCTTCGACCCTAGTTGTCCAGAATTGACATGGAGCGTCGAATGCGAGACC
GTGTGTTCTTATTGTGGCGCTGACGCCCTACAGCCCGGAGAGCGTATTTCTGGCTCCGAAAACCTATGCGC
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CCGAGACCACCCTACCAGGACCCTTAGACCATGGAAAGACAAGACTCTGGTTTCTGATGCACACAG
ACTGGTGCATATTCTAATAGCCAGCCTAACCCGCGCAATGAGGAGGTGTGTTGGATCGAGATGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100224 representing AP_000112
 Red=Cloning sites Green=Tags

MALVQNNRAGSVYTTPTDSRYQSPGSRPCQSTSGSTPSPARASGRHTASPARRTRTAASSGSSSAPPIL
 SRRIGKVHRGTVVSRAHGILHAIDSANGTPEIKYYLHLQPALTRLCEVNLRAVPADMLFSLTDTMDSS
 RLYALISRFRPSRAEIWTCRSRGTVTLVLALEDPNPNSGNAAAAEEDERQLPSGIDFPICFLVGRGRVHL
 IQQIQPVQRCEHCARFYKHQHECSVRRRDFYFHHINSHSSNWWQEIHFPPIGSHPRTERLFITYDVETYT
 WMGAFGKQLVPFMLVMKLSGDDNLVKHALQLALELGWDQWEKDSTTFYCLTPEKMKVGGQFRTYRNLQT
 SLATDLWMTFLQKNPHLSQWAQEENGLVALEDLSYEDLKRAPAIGKGEPRFVELYIVGHNINGFDEIVLAA
 QVINNRDLVPGPFKISRNFIPRAGKILFNDITFALPNPHYKRTNFFLWEHGGCDDQDFKYQYLKVMVRD
 TFALHTSLRKAQAAYALPVEKGCCPYKAVNQFYMLGSYRADANGFPLEEYWKDKEEYLLNQELWKKKGE
 KNYNLIGETLNYCALDVLVTASLVEKLRSSYAQFVTDVAVGLDAAHFNVFQRPTISSNSHAIFRQILYRAE
 KPQRTHLGNILAPSHELVDYVRASIRGGRCYPTYIGVLKEPIYVYDICGMYASALTHPMPWGPPLNPYE
 RALAVRQWQVALENYTCKIDYFDKNLCPGIFTIDADPPDENQLDVLPPFCSRKGGRLAWTNESLRGEVVT
 SVDLVTLHNRGWRLRLSDERTTIFPTWKCLAREYVQLNIAAKERADRDKNQTLRSIAKLLSNALYGSFA
 TKLDNKKIVFSDQMEESLMKEIAAGRLNIKSSSFIETDTLSTEVMPAFERYVSPNQLALVNSEAEESDED
 QGPAPFYSPPECEHVYTYKPIITFMDAEEGDMCLHTLESSNPLINNDRYPSHVASFVLAWTRAFVSEW
 SEFLYEEDRGIPLKDRPLKSVYGDTSDFVTEKGRRLMESQGGKRIKKGKLVFDPSCPELTWSVECET
 VCSYCGADAYSPEVFLAPKLYALKCLQCPCGSGSTSKGKIRAKGHATEALSYDMLMKCYLAEAQGEDTRF
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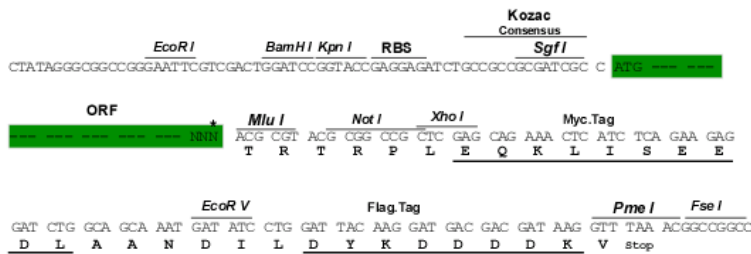
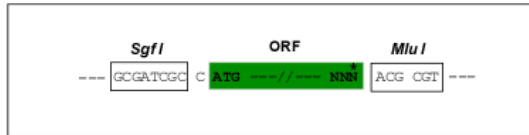
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: AC_000005

ORF Size: 3567 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:	<ol style="list-style-type: none">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:	<u>AC_000005.1</u> , <u>AP_000112</u>
RefSeq ORF:	3567 bp
MW:	135.2 kDa