

Product datasheet for **MR209308**

Pola2 (NM_008893) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pola2 (NM_008893) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pola2
Synonyms:	A1573378
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209308 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGTGTCCACCCAGCAGCTGGCGGAGGAACACTACAGATCTTCGGCCTGGACTACGAGGACTCCCTGT
 TGGAGAAACTGGCAGAGCTGTGTCTTATACCGACAGACTGAGGACGGGATGGTCAGTGAGCTCATCGC
 CTTCTGCACCAAGTGGCGGGAAGACATGCCTTACTGTAGACATCCTGAACTCTTTGAATACGAGGTTCTG
 AACAAAAAAGCTCTCAAAGCCTGGCACAGTGCCTCAAAGACAGTGGGCATGCAGGAACCAGAGACATTG
 TTTCTATAACAAGACTAATTGAAGCAGAGGAGGAAGAGGAGACCTCCTAAGCTCTTATACCACACCCTC
 TAAGGGTCTCTCAAGCGAGTTAGCAGCACCCAGAAACCCCTAACCAAAAGGAGCGTCGCTGCTCGC
 AGCCACGTCAGCTTCTCACCGTCAAGTTTCTCCCGAGTGTACCCCTCCAGAAATACACCTCCA
 GAACCAACCGGGAGAAGTGGTACCACCTTTGGCTCCGCACAGGGCTTGTCTTGGTCCGGGAGAGGAGG
 CTCTGGAAGCGTCAGTCTAAAGTCTGGGGACCCAGAGCCACTCACTGGCAGTACAAAGCGATGTTT
 CAGCAGCTCATGGGTGTTGAGAAGTCTGACCAGTAAGATCGAAGAGCTCGGCAGCGAGCTGAAGGAGC
 ATCACAAGATCGAGGCCTTACCCTCTCTGGTCCCAGCGCAAGAGCCTGTTATTCTCCTGGGTGAGT
 TGGCTGCGACAGCAACGGGAAGCTGAACAGCAAGTCCGTATTCTCGAGGGGACCCAGGAGCACTCCTAT
 GGCGCGCAGATCCAGTGGACCTATCGAACTCAAAGAGTATCCCTCTTCCCTGGACAGGTTGTAATTA
 TGGAAGGATTCAACACCACTGGTAGGAGACTTACTGCCACCAAATCTATGAGGGCGTGCCACTTCCGTT
 CTATCAGCCTACTGAAGAGGAGGAGCTTCTGAGCAGACTATGGTGGTAGTTGCCTGCGGGCCTTATACC
 ACCTCCGACAGCATCACCTATGACCCCTGCTTGATCTGATCGCCATCATCAACCGTGACCAGCCAGATG
 TCTGCATCTGTTCGGACCTTCTGGATGCTAAACATGAACAGGTGGAGAAGTGAAGTGAACAGCC
 ATTCGAAGACGTTTTCAAGCAATGCCTGAGAACAGTTATCGAAGGAACGAGAAGCTCCGGCTCCACCTT
 GTCTTTGTCCCGTCTCTGAGGATGTCCATCATGAGCCAGTATACCCACAGCCGCCTTTCACCTTCTCCG
 AGCTGTCTCGAGAGGACAAAAAGCGAGTGCAGTTTGTGTCAGAGCCCTGCAGCCTCTCCATAAATGGAGT
 GATGTTTGGTTTGACATCCACGGACCTGCTGTTCCACATCGGGGCTGAGGAGATCTTAGCTCTTCCGGG
 ACGTCAGACAGATTACGCCGAGTCTTAAGCATATCCTGAGCAGAGAAGTACTACCCACTTTATCCAC
 CCCACGAGGACATGGCCATAGACTACGAGAAGTCTATACCTATGCCAGCTGCCGGTACCCCCGATGT
 CTTCATAGTCCCGTCCGAGCTGAGATACTTTGTGAAGGACATCTTTGGCTGTGTCTGTGTAATCCTGGG
 CGGCTCACGAAAGGACAAGTGGCGGCACCTTTGGCCCTCTACCTCAGGAGGCAGCCCAAGGCCATGG
 ACGGTGGGGCAGGCAGGCCTGAGCGTGGCAGCCAGGTGGTCAGAATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209308 protein sequence
 Red=Cloning site Green=Tags(s)

MAVSTQQLAEELQIFGLDYEDSLLEKLAELCVLYRQTEDGMVSELIAFCTSAGKTCLTVDILNSFEYEV
 NKKLSKAWHSASKDSGHAGTRDIVSIQELIEAEETLLSSYTPSKGPKRVSSPTPETPLTKRVAAR
 SPRQLSPSSFPSATPSQKYTSRTNRGEVVTTFGSAQGLSWSGRGGSGSVSLKVVGDPEPLTGSYKAMF
 QQLMGVREVLTSKIEELGSELKEHHKIEAFTPLLVPAPQEPVILLGQIGCDSNGKLNKSVILEGDQEH
 SYGAQIPVDLSELKEYSLFPGQVIVMEGFNTGRRLLATKLYEGVPLPFYQPTEEEGASEQTMVVACG
 PYTSDSITYDPLLDLIAIINRDQPDVCILFGPFLDAKHEQVENCKLTSPFEDVFKQLRTVIEGTRSSG
 SHLVFVPSLRDVHHEPVYPQPPFTFSELSREDKRVQFVSEPCSLRINGVMFGLTSTDLLFHIGAEI
 FSSGSTDRFSRVLKHILTQRSYYPLYPHEDMAIDYENFYAQLPVTDPVFI VPSSELRYFVKDIFG
 CVCVNPGRLLTKGQVGGTFRGLYLRQPKAMDGGGRQGLSVAQVVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

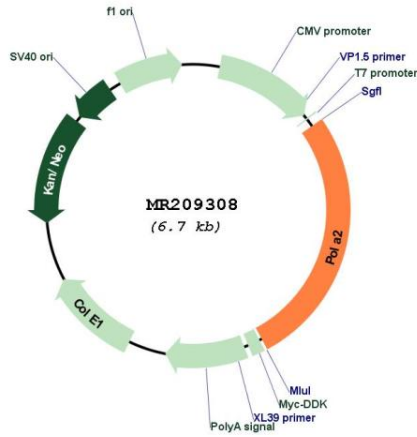
SgfI-MluI

Cytogenetics: 19 A

MW: 66.2 kDa

Gene Summary: May play an essential role at the early stage of chromosomal DNA replication by coupling the polymerase alpha/primase complex to the cellular replication machinery.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209308