

Product datasheet for **MC204033**

Pola2 (NM_008893) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pola2 (NM_008893) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pola2
Synonyms:	A1573378
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021424
 CCACGCGTCCGGTTTGGCGGGTTTTTCCTGTGCTGTGCTCCTCACGGAGAAGCTAAGGTGTAGTCCCTCGG
 AAGCAAGTTTTCTCTCTGGATCGAGACCTCTCGAGGGCTTTTGAAGTATTTCTCTGTGACCTGGTGGCTG
 GGGTCGTTTGGAGGCTTAGGCCAGGTGGTCTCGTGACACGTCCCTGTACACCTCCGGTAAAGCGAAAGGA
 TAAGCGTCTGCAGGTAGAGCTGAGGTGGGGCCCGCGGCAGGCCGCCGGCCACTCCCGGTACCATG
 GCCGTGTCCACCCAGCAGCTGGCGGAGGAACACAGATCTTCGGCCTGGACTACGAGGACTCCCTGTTGG
 AGAAACTGGCAGAGCTGTGTCTTATACCGACAGACTGAGGACGGGATGGTCAGTGAGCTCATCGCCTT
 CTGCACCAAGTGGCGGGAAGACATGCCTTACTGTAGACATCCTGAACTTTTTGAATACGAGGTTCTGAAC
 AAAAACTCTCCAAGCCTGGCACAGTGCCTCCAAGACAGTGGGCATGCAGGAACCAGAGACATTGTTT
 CTATACAAGAGCTAATTGAAGCAGAGGAGGAAGAGGAGACCTCCTAAGCTTTATACCACACCCTCAA
 GGGTCTCTCAAGCGAGTTAGCAGCACCCAGAAACCCCTAACCAAAAGGAGCGTCTGCTCGCAGC
 CCACGTACAGTCTCTCACCGTCAAGTTTCTCCCGAGTGTACCCCTCCAGAAATACACCTCCAGAA
 CCAACCGGGGAGAAGTGGTGACCACCTTTGGTCCGCACAGGGCTTGTCTGGTCCGGGAGAGGAGGCTC
 TGAAGCGTCAGTCTAAGGTCTGGGGACCCAGAGCCACTCACTGGCAGCTACAAAGCGATGTTTCAG
 CAGCTCATGGGTGTTGAGAAGTTCTGACCAGTAAGATCGAAGAGCTCGGCAGCGAGCTGAAGGAGCATC
 ACAAGATCGAGGCTTTACCCCTCTCTGGTCCCAGCGCAAGAGCCTGTTATTCTCTGGGTGAGATTGG
 CTGCGACAGCAACGGGAAGCTGAACAGCAAGTCCGTGATTCTCGAGGGGGACCAGGAGCACTCCTATGGC
 GCGCAGATCCCAGTGGACCTATCGGAACTCAAAGAGTATTCCTCTTCCCTGGACAGGTTGTAATTATGG
 AAGGATTAACACCAGTGGTAGGAGACTTACTGCCACCAAACCTATGAGGGCGTGCCACTTCCGTTCTA
 TCAGCCTACTGAAGAGGAGGGAGCTTCTGAGCAGACTATGGTGGTAGTTGCCTGCGGGCCTTATACCACC
 TCCGACAGCATCACCTATGACCCCTGCTTGATCTGATCGCCATCATCAACCGTGACCAGCCAGATGTCT
 GCATCCTGTTGCGACCTTCTCTGGATGCTAAACATGAACAGGTGGAGAAGTGAAGTTGACAAGCCATT
 CGAAGACGTTTTCAAGCAATGCCTGAGAACAGTTATCGAAGGAACGAGAAGCTCCGGCTCCACCTTGTG
 TTTGTCCCGTCTCTGAGGGATGTCCATCATGAGCCAGTATACCCACAGCCGCTTTTACCTTCTCGGAGC
 TGCTCGAGAGGACAAAAGCGAGTGCAGTTTGTGTCAGAGCCCTGCAGCCTCTCCATAAATGGAGTGAT
 GTTTGGTTTGACATCCACGGACCTGCTGTTCCACATCGGGGCTGAGGAGATCTTTAGCTCTTCCGGGACG
 TCAGACAGATTACGCCGAGTCTTAAGCATATCCTGACGCAGAGAAGTTACTACCCACTTTATCCACCCC
 ACGAGGACATGGCCATAGACTACGAGAACTTCTATACCTATGCCAGCTGCCGGTACCCCGATGTCTT
 CATAGTCCGTCAGGCTGAGATACTTTGTGAAGGACATCTTTGGCTGTGTCTGTGTGAATCCTGGGCGG
 CTCACGAAAGGACAAGTGGCGGCACCTTTGGCCGCTTACCTCAGGAGGCAGCCAAAGGCCATGGACG
 GTGGGGCAGGCAGGGCCTGAGCGTGGCAGCGCAGGTGGTGAATCTGAGTCTCAGCCTGGTTGCTG
 GCCTCACAAACCAAGAGCCCAGGTATGGCTCTCTGGTGGCCAAACTGTTGGAGTACCTGACAAGGATC
 TGGCCACAGAGACAGGACTGTAGGGCTGGGCCGTCCAGTACGGGTTCCCACTGTCCCTACCCCATGC
 AGCGTGGCTCTGATCTGAATTACGCCCTGCTTCTCTCTGCTTATGAGGTAGATGTACAGAAGTGAGCC
 ATCTATGGACACAAGGCAGGAAAACACTGACTTTTTTTTGTATGAATCAAATACAGCGTGTGGAGAAATAA
 AAATTTTTTTAGTATAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008893

Insert Size: 1803 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC021424](#), [AAH21424](#)

RefSeq Size: 2410 bp

RefSeq ORF: 1803 bp

Locus ID: 18969

UniProt ID: [P33611](#)

Cytogenetics: 19 A

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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).