

Product datasheet for **RN208936**

Pola2 (NM_053480) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pola2 (NM_053480) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pola2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208936 representing NM_053480
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTGTCCACCCAGCAGCTGGCGGAGGAGCTACAGATCTTCGGCCTGGACTGCGAGGACTCCCTGC
 TGGAGAAATTGGCAGAGCTGTGTACTCTGTACCGACAGACTGAGGAGAGGATGGTGAGCGAGCTGATCGC
 CTTCTGCACCAGCGCAGGAAATCGTGCCTCACTGGAGAGATCCTCAGTTCCTTTGAGCAGGAGTTCTG
 AACAAAAAGCTCTCAAAGCCTGTACAGTGCCTCAAAGACAACAGGCACGCAGGAGCCAGAGATATTG
 TCTCCATAACAAGACTAATTGAAGCAGAGGAGGAAGAGGAGACCTTCTGAGCGTTACACCACACCCTC
 TAAGGGTCTCACAAGCGAGTTAGCAGCACCCAGAAACCCCTAACCAAAAGGAGTATCTCTACTCGC
 AGCCACACCAGTCTCTCCCATCGAGTTTCTCCCAAGTGTACCCCTTCCAGAAATACAGCTCCA
 GAACCAACCGGGAGAAGTGGTACCACCTTTGGCTCAGCACAGGGCGTGTCTTGGTCCGGGAGAGGAGG
 CTCTGGAAGCATCAGTCTGAAGTTCATGGGTACCCAGAACCCTCACCAGCAGTATAAACTATGTTT
 CAGCAGCTCCCGATATTCGGGAAGTTCGACCTGAAGATAGAGGAGCTTGGCAGCGAGCTGAAGGAAC
 ATTACAAGATCGAGGCGTTTACCCTCTGCTAGTCCCAGCACAGGAACCTGTCATCCTGCTGGGTAGAT
 TGGCTGTGACAGCAACGGGAGGCTAAACAGCAAGTCAAGTATCCTCGAGGAGACCGGGAGCACTCCTCT
 GGCGCTCAGATCCAGTGGACATGTCCGAACCAAGACTACTCTCTGTTTCTGGGCAGGTTGTAATTA
 TGGAAGGATCAACACCACTGGCAGGAGACTTACTGCCACCAACTCTATGAGGGTGTGCCACTTCCGTT
 CTATCAGCCACTGAAGAGGAGGAGATTTTGGCAGACTATGGTGTAGTTGCCTGTGGCCTTATACC
 ACCTCTGACAGCATCACATACGACCCCTGCTTGTATCTGATCAGCACCATCAACCATGACCGCTAGATG
 TCTGCATCCTGTTCCGGCCCTTCTGGATGCTAAGCATGAACAAGTGGAGAAGTGAAGTTGACAAGCCC
 ATTCGAAGACATTTTCAAGCAGTGCCTGAGAACAGTTATCGAAGGAACGAGAAGCTCCGGCTCCACCTT
 GTCTTTGTCCCGTCTCTGAGGATGTGCACCACGAGCCAGTCTACCCACAGCCACCTTTACCTTCTCCG
 AACTGCCTCGAGAGGACAAGAAGCGAGTGCAGTTTGTGTCAGAGCCCTGCAACCTCTCCATAAATGGGGT
 GATGTTTGGTTTACATCCACGGACCTGCTGTTCCACATTGGGGCCGAGGAGATCTGTAGCTCCTCTGGG
 ACTTCAGACAGATTCAGCCGAATCCTCAAGCACATCCTGACGCAGAGAAGCTACTACCCACTTTACCCAC
 CCCACGAGGACATGGCCATAGACTACGAGAAGTCTATACCTATGCCAGCTGCCGGTCAACCCTGATGT
 TTTCATAGTGCCATCAGAGCTGAGTACTTCGTGAAGGACATCTCGGCTGTGTCTGTATGAATCCTGGA
 CGGCTCACAAAGGACAAGTGGCGGCACCTTTGGCCCTCTACCTCAGGAGGCAGCCCAAGGGCACGG
 ACAGTGAGGGGAGGCAGGGGCTGAGTGTGGCTGCCAGGTTGGTCAGAATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053480
- 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: [NM_053480.2](#), [NP_445932.2](#)

RefSeq Size: 2294 bp

RefSeq ORF: 1803 bp

Locus ID: 85242

Cytogenetics: 1q43

Gene Summary: plays a role in DNA replication [RGD, Feb 2006]