

Product datasheet for **RN216854**

Pole2 (NM_001169108) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pole2 (NM_001169108) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pole2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216854 representing NM_001169108
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCGGAGCGGCTGCGGAGCCGACGGTCTCAGCTTCAAGCTTCGGGGCTTGCTGCTCAGGAGTG
 AAGCCACTAAGTATCTCACTGAAGCTCTCCAGTCTGTCACTGAATTGGAGCTCGAGGAGAACCTAGAAAA
 GATCATTGATGCAGTTGAAAAGCAGCCCTTGTCATCAAACATGATCGAACGATCTGTAGTGAAGCAGCT
 GTCCAGGAGTGCAGTCACTGTGATGAGACTATAGAACATATTTTCAATATCATTGGAGCTTTTGATA
 TTCCACATTTTATATAAATTCAGAAAGAAAAAGTTTCTTCTCTATCAATGACTAACCATGCTGCACC
 AACCATATTTGGAACAGCAAGGGACAAAGCCGAGCTGTACCGTGAACGATACACCATTTTACACCAGAGG
 ACGCACAGACATGAATTGTTCACTCCTCCAGTGTAGGCTCACACCCGACGAAAGTGAAGCAAATTC
 AGCTTAAAACAATAGAACTTTGCTGGGTAGTACGAGTAAAGTTGGTGACGTGATTGCTTGGAAATGAT
 AACCCAGTTGAAAGAGGGGAAGTTTTCTGGAAGACCCTACTGGAAGTGTACAGCTGGACCTTAGTAAA
 GCTCAGTTCACAGTGGCCTATACACTGAGGCATGCTTTGTGCTGGCCGAAGGTTGCTTTGAAGATCAAG
 TGTTTCATGCCAATGCCTTTGGATTTCTCCACGGAGCCCTCTAGCACCAAGGGCATACTATGGAAA
 TATTAATTTTTTTGGAGGGCCTTCTAATGCGTCAGTGAAGGCTTCTGCAAACTGAGACAGCTGGAAGAG
 GAGAACAAGGACGCCATGTTTGTGATTGTGCCGACGTTGGTTGGATCAAGTCAAGTGTGGAGAAGC
 TTCACGTAATGTTTTCTGGTTATTTCCCTGCACCTCCGACCTGCTTTATACTGTGCGGTAACCTTTTCATC
 TGCACCATATGGAAAAATCAAGTCCAGGCTTTGAAAGATTCCCTAAAATCTTTGGCAGACATAATATGT
 GAATACCAAGTATCCACCAAAGTAGCCGTTTTGTGTTGTGCTGGCCCGGAGGATCCTGGATTTGGTT
 CTATTTTACCAAGGCCGCCCTTGCTGAAAGCATCACACAAGAATTCAGACAAAGGGTCCCATTTCTGT
 TTTCACTACTAACCCCTTGCAGAATTCAGTATTGTACACAAGAAATAATTATCTTCCGTGAAGACTTAGTG
 AATAAAATGTGTAGAACTGTGTCGCTTTCTAGCAGCAGTTTGGATATTCTACCCATTTTCGTAAGA
 CTGTCTTATCTCAGGGACATCTGGCTCCTCCTCTTTACGTGTCCCCGCTACTGGGCATATGACTA
 CACTTTGAGAGTGTACCCAGTGCCTGCTGCTGGTCAATGCAGACAAGTACGATCCGTTACCCTGACC
 AACCCGAGTGCCTCTGCATAAACCTGGCTCCTTCCAAGAAGTGGATTTGCATTTAAAGTTTTTTACC
 CTTCCAGTAAGACAGTAGAAGACAGCAAACCTTCAGGGCTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001169108
- Insert Size:** 1584 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal 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:

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_001169108.1](#), [NP_001162579.1](#)

RefSeq Size: 1696 bp

RefSeq ORF: 1584 bp

Locus ID: 299112

Cytogenetics: 6q24