

Product datasheet for **RN202666**

Pole3 (NM_001007652) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pole3 (NM_001007652) Rat Untagged Clone
Tag: Tag Free
Symbol: Pole3
Synonyms: MGC94182; MGC94830
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202666 representing NM_001007652
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGAGGCCTGAGGACCTAAATCTGCCAACGCCGTCATTACCAGGATCATCAAGGAGGCGCTAC
CGGACGGTGTCAACATCTCCAAGGAGGCCCGAAGCGCCATCTCCGCGCGCCAGTGTTCGTTTTGTA
TGCCACATCCTGTCCAATAACTTTGCAATGAAAGGAAAGCGCAAGACTCTCAATGCCAGTGATGTACTG
TCAGCCATGGAAGAGATGGAGTTCCAACGGTTCGTAACGCCATTGAAAGAAGCGCTAGAAGCATACAGGC
GGGAGCAGAAAGCAAGAAGGAAGCCTCAGAGCAAAAGAAGAAGGACAAAGACAAAAAAGATTGCGAAGA
GCAGGACAAAAGCAGAGAGGAGGAGGATGAAGATGAAGAAAGACTGGATGAGGAAGAACAGAACGAAGAG
GAGGAGGTAGACAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007652
Insert Size: 438 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).



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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>NM_001007652.2</u> , <u>NP_001007653.1</u>
RefSeq Size:	2625 bp
RefSeq ORF:	438 bp
Locus ID:	298098
UniProt ID:	<u>Q642A5</u>
Cytogenetics:	5q24
Gene Summary:	Forms a complex with DNA polymerase epsilon subunit CHRA1 and binds naked DNA, which is then incorporated into chromatin, aided by the nucleosome-remodeling activity of ISWI/SNF2H and ACF1.[UniProtKB/Swiss-Prot Function]