

## Product datasheet for **RN211260**

### **Poll (NM\_001014168) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Poll (NM_001014168) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Poll
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211260 representing NM\_001014168  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACCCAGGGCATCTGAAGCATTTCCTCAAGCAAAGAAAATTCATGCAGATCCATCATCAAACG  
 CACTTGCAAAGATTCCCAAAAGGGAGGCAGGAGATGCTAGAGGATGGCTGAGCTCCCTGAGGGCCACAT  
 TATGCCCACTGGCATTGGGCGAGCCCGGCTGAACTCTTTGAGAAGCAGATTATCCAGCATGGTGGCCAG  
 GTGTGCTCTGCCAGGCCAGGAGTCACTCACATTGTGGTGGATGAAGGCATGGACTATGAACGGGCTC  
 TCCGGCTCTCAGACTGCCCCAGCTGCCCTGGTCTCAGCTGGTGAAGTCAGCCTGGCTGAGCTTGTG  
 TCTACAGGAGAAAAGCTGACAGACACGGACGGATTTCAGCCTTCCAGCCCTAAGAGTCTTGAATGAA  
 CCACAGCCAGCAAGTCAGGCCAAGATGCTTCTGCTCCTGGCACTCAGGGGTTCTACCCAGGACAACGC  
 TCTCTCTTCCCCTCTGTACCAGAGCTGTATCTCTCCCCAAAGGCAGAAAAGCCACCAAAAACCCA  
 AACCCAGCTCAGCTCAGAGGATGAAGCCAGTGATGGGGAAGGGCCCGGTTAGCTCAGCAGATTTGCAA  
 GCCTTGATCAGTGGGCACTACCCCACTCCCTGGGGAAGATGGTGGGCTGACCCAGCCCGAGAAGCTC  
 TGGGTAAGTGGTCTGTGCACAGCCCTCAAGCCAGAAGGCAACTAATTACAACCTGCACATCACAGAGAA  
 GCTCGAAGTGTGGCTAAAGCCTACAATGTCCAGGGAGACAAGTGGAGGGCTCTGGGCTATGCCAAGGCC  
 ATCAACGCCCTCAAGAGCTTCCACAAGCCTGTCAGTTCCTACCAGGAGGCTGTAGCATCCAGGAGTTG  
 GCAGGGCAATGGCAGAGAAGGTTCATGGAGATCCTGGAGAGTGGGCATCTGCGGAAGCTGGACCACATCAG  
 CGACAGCGTGCCTGTCTTAGAGCTTCTCCAACATCTGGGGAGCCGGGACGAAGACTGCCAGATGTGG  
 TACCATCAGGGCTTCCGAAGCCTAGAAGATACCGAGGCCTGGCTCCCTGACCGCTCAGCAGGCCATTG  
 GCTTGAAGCACTATGATGACTTCTGGACCGCATGCCAGGGAGGAGGCTGCAGAAATTGAGCAGATGGT  
 CCGAGTATCAGCCAGGCCTCAACCCTGGGCTGCTGTGTGGGCTGTGGCTCTTCCGTCGAGGGGAAG  
 GTGACCTGTGGGATGTAGATGTACTTACTACCCCGACGGCCGGTCCCAACAGGGCATCTTCAGCC  
 CACTCCTCGACAGCCTTCGGCAGCAAGGGTTCCTCACAGATGACTTGGTGGAGCCAGGAGGAGAATGGCCA  
 GCAGCAGAAATACCTGGGTGTGTGCCGGCTCCAGGGCCGGGCAGGCCACCGGCGACTGGACATCATC  
 GTGGTGCCTACAGTGAGTTGCTGTGCCCTGCTCTACTTCACCGCTCTGCCACTTCAACCGGTCCA  
 TGAGAGCTCTGGCAAGACCAAGGGCATGAGCCTGTCAGAGCATGCCCTAGTGTGCTGTGGTCCGGAA  
 CAGCCAAGGTGTCAAGGTCCGGGCTGGACAAGTGTGCCACCCACAGAGAAGGACGTCTTCAAGCTC  
 TTAGCCCTGCCCTACCGAGAACCGGCTGAACGGGACTGG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001014168

**Insert Size:** 1722 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\\_001014168.1](#), [NP\\_001014190.1](#)

**RefSeq Size:** 2320 bp

**RefSeq ORF:** 1722 bp

**Locus ID:** 361767

**UniProt ID:** [Q5RKI3](#)

**Cytogenetics:** 1q54

**Gene Summary:** DNA polymerase that functions in several pathways of DNA repair. Involved in base excision repair (BER) responsible for repair of lesions that give rise to abasic (AP) sites in DNA. Also contributes to DNA double-strand break repair by non-homologous end joining and homologous recombination. Has both template-dependent and template-independent (terminal transferase) DNA polymerase activities. Has also a 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity.[UniProtKB/Swiss-Prot Function]