

Product datasheet for **MC206449**

Poll (BC004767) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poll (BC004767) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Poll
Synonyms:	1110003P06Rik; AV007317
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for BC004767, the custom clone sequence may differ by one or more nucleotides

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ATGGACCCTCAGGGCATCGTGAAGGCCTTCCCAAGCGGAAGAAAAGTCATGCAGATCTATCTTCAAAG
CACTTGCAAAGATTCCAAAAGGGAGGTGGGAGAAGCTAGAGGATGGCTGAGCTCCCTGAGACCCACAT
TATGCCCGCTGGCATTGGACGTGCCCGGGCTGAACTCTTTGAGAAGCAGATTATCCACCATGGCGGCCAG
GTGTGCTCTGCCAGGCCCCAGGAGTCACTCACATTGTGGTGGATGAAGACATGGACTATGAGCGGGCTC
TCCGGCTCCTCAGGTTGCCCCAGCTACCCCTGGTGCCAGCTGGTGAAGTCCACCTGGCTGAGCTTGTG
CCTGCAGGAGGGAAGGCTGACAGACACGGAAGGATTACAGCCTTCCCATGCCAAGAGGTCCTTGGATGAA
CCACAGCCAGCAAGTCAGGCCAAGATGCTTCTGCTCCTGGCACCCAGCGGGATTACCCAGGACCACCC
TTTCTCTTCCCTCCTCACACCAGAGCTGTATCTCTCCCCAACGGCAGAAAAGCCATCAAGAACCCA
AGCCCAGCTCAGCTCAGAGGATGAAACCAGCGATGGAGAAGGGCCCGGTTAGCTCAGCAGATCTGCAA
GCCTTGATCACTGGGCACTACCCACTCCCCTGAGGAAGATGGTGGGCTGACCCAGCACCAGAAGCTC
TGGATAAATGGGTCTGTGCACAGCCCTCGAGCCAGAAGGCAACTAACTACAATCTGCACATCACAGAGAA
GCTGGAAGTGCTGGCTAAAGCCTACAGTGTCCAGGGAGACAAGTGGAGGGCCCTGGGCTATGCAAAGGCC
ATCAATGCTCTCAAGAGCTTCCACAAGCCTGTCAGCTCCTACCAGGAGGCTGTAGCATCCCGGGAATTG
GCAAGCGGATGGCGGAGAAGGTCATGGAGATCCTGGAGAGTGGGCATCTGCGGAAGCTAGACCACATCAG
TGACAGTGTGCCTGTCTTGGAGCTTCTCCAACATCTGGGGAGCTGGGACGAAGACTGCCCAGATGTGG
TACCATCAGGGCTTCCGAAACCTAGAAGATCTCAAAGCCTGGGCTCCCTGACCGCTCAGCAGGCCATTG
GCTTGAAGCACTACGATGACTTCTGGACCGCATGCCAGGGAGGAGGCTGCGGAAATTGAGCAGACGGT
CCGGATATCAGCCAGGCCTTCAACCTGGGCTGCTGTGTGTGGCTTGTGGCTCTTACCGACGGGGGAAG
ATGACGTGCGGGGATGTGGATGTACTCATTACTACCCCGATGGCCGATCCACCAGGGGATCTTTCAGT
GCCTCCTTGATAGCCTTCGGCAGCAAGGTTCTCACAGATGACTTGGTGAGCCAGGAGGAGAACGGCCA
ACAGCAGAAATACCTGGGTGTGTGCCGGCTCCCAGGGCCCGGAAGCGCCACCGGCGACTGGACATCATC
GTGGTACCCTACTGTGAGTTTGCCTGTGCCCTGCTCTACTTACCAGGCTCTGCCACTTCAACCGGTCCA
TGAGAGCTCTGGCCAAGACCAAGGGCATGAGCCTGTCCGAGCATGCGCTCAGTGCAGCTGTAGTCCGGAA
CAGCCAAGGTGTCAAGGTGGGCTGGACAAGTGTGCCACCCACCGGAGAAGGACGTCTTCAAGCAC
TTAGGCCTGCCCTACCGGAGCCAGCTGAACGGGACTGGTGA
    
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Restriction Sites: EcoRI-NotI

ACCN: BC004767

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:	<u>BC004767</u> , <u>AAH04767</u>
RefSeq Size:	2315 bp
RefSeq ORF:	1722 bp
Locus ID:	56626
Cytogenetics:	19 C3
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]