

Product datasheet for **MC201899**

Polm (NM_017401) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polm (NM_017401) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Polm
Synonyms:	A1462166; B230309I03Rik; Tdt-N
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC056213 sequence for NM_017401
 GACAAGAGGTAATCCCTTCGTTCTGCGGCTTCCTGTGCTTCCAGAGTTGGTGCCAGATGCTTCCGAAGC
 GACGGCGAGTGCAGCTGGGTCCCCACACAGCGCGGTAGCCTCTTCCACGCCGCCCTCGGTGGTGCCTT
 CCCGGATGTGGCCATCTACCTTGCAGGAGCCGGAATGGGCCGAGCCGCCGGGCTTCTCACCCGCCTG
 GCGCGTCCAAAGGCTCCCGCTCTAGATGCTTACAGCTCAAAGGTGACACATGTGGTATGGAAGGGA
 CCTCAGCAAGGAGGCCATCTGCTGGCAGAAGAATGGATGCTCTCCCCACAGGCTGCCACAGCCAGC
 TCTGCTAGATATTAGCTGGTTTACAGAAAGCATGGCAGCTGGGCAGCCTGTCCCTGAGGAGGGCCGCAC
 CACCTGGAGGTAGCTGAGCCAGGAAGGAGCCCCAGTCTCAGCGTCGATGCCAGCTTATGCCTGTGAGC
 GCCCTCACCTCTCACACACCATAACAATCTCCTCTCAGAGGCTCTGGAGACGCTAGCGGAGGCAGCGGG
 CTTGCAAGCCAACGAGGGCGCTTCTCTCCTTCTCCAGAGCGGCCTCGGTGCTCAAGTCCCTGCCCTGC
 CCTGTTGCATCTTTGAGCCAGCTGCATGGGCTGCCCTACTTTGGAGAATTTCCACTAGAGTAATCCAGG
 AGCTGCTGGAGCATGGAACATGTGAAGAAGTGAACAAGTCCGTTGCTCAGAAAGGTACCAGACCATGAA
 GCTCTTACCCAGGTCTTCGGGTTGGGGTGAAGACTGCCAACCGGTGGTACCAGGAAGGACTACGAACC
 CTGGATGAGCTCAGAGAGCAGCCCCAGAGACTGACGCAGCAGCAGAAAGCAGGGCTCCAATATTACCAGG
 ACCTGAGCACTCCAGTTAGACGAGCTGATGCCAGGCTCTGCAGCAGTTGATAGAGGCAGCTGTGAGACA
 GACCTGCCCGGAGCCACTGTACGCTGACTGGCGGTTTCCGAAGGGGAAGTTACAAGGCCATGATGTA
 GACTTCCTTATCACCCACCCAGAGGAGGGGCAAGAAGTAGGGCCGCTGCCAAAGTGATGAGCTGCCTAC
 AGAGCCAGGGACTCGTCTGTATCACCAGTACCACCGCAGCCATTTGGCAGACTCAGCCACAACCTGCG
 GCAGCGGAGCTCCACCATGGATGCTTTTGGAGGAGTTTCTGCATCTTGGGTTTGCACAAACCCCAACAG
 GCAGCTTTAGCGGGGGCCCTGCCCTCCCTGCCAACTTGGAAAGCTGTGAGGGTAGATCTTGTGGTACGC
 CCAGCAGCCAGTTCCTTTGCCCTTCTGGGCTGGACTGGCTCCAGTTCCTTTGAGCGGGAGCTACGGCG
 GTTCAGCCGTCAAGAGAAGGGGCTGTGGCTTACAGCCATGGGCTGTTTATCCTGAGCAGAAGAGAGTT
 TTCCATGCAACTTCTGAGGAAGATGTTTTACAGACTCCTGGGCTCAAGTACCTTCTCCAGAGCAGAGAA
 ATGCCTGAACTGAGAAATGCCTGTGGGCTGCCACACCCATCCATACAAAATGAGGGCTGCCTCTTGCT
 TGACCAGGAATGTTTCTAGACAGGAACACTGCCACCCATGGCCTCACCTGTGCAATGGAGTTTACC
 TCCTGGGACATTAGTAGAGTGTGACCCGAGTCAACTCAGCTTTCAACCTCCACACACCTCGCAGTCAGG
 GGCCTTTAGCAGTTCATACATCACGGACCTATGTGAGAGCCTGAAGTCTTGGTTCTGGGCCAGCTGTGGT
 TGCTGTGTCTGCTGCAGAGTACTCGTTTCTGCGTGCCAGAAAAGAGAGACCTATGTTCCCGCCTGGGCT
 TGATATGGGAAGTGCATTCCAGCAGTGAAGTGTGTGCAGAAGTAAAGACGCTGAGTGCCTGCTGCAGT
 AGGAGGTGGCCAGGACAGCAACCTCCAGTGTGGTGTGTTGGCACCACCACCCGAAGACATGGGTACC
 TGTACCAGACTTCATAAGCAGCTCATCTCCAGAATCGGCCACATGTGTCTCTCTGTAGTACCAA
 TCCCCCGATTCCAGCCTAGGCTAAGCCGGCCTGCCTACCCACAATCTCCTGTGAGCCTCAGCCCTG
 CAGTACCTTCTGGGAAGGCTGGTTTCTAGCACAGAGACTGTAGCTCAGCAGCATCAGTGGGCAGCAGCA
 GAGCGCTTCTCTTATCCTGAGATTGTGAGCTGCGTGGTCCCTGGTCTGCTCTGCTCTGCCAC
 TCCTAACTGCCCTGCAGCAGTTTCAACCTGCAATCCTTATGCAGGCCTGTGACCCTGCAGTCTCAGGC
 AGGCCCTGTGACTCTGGTGTCTGTTATCTCTCCAGTCTCAGCTGTACCCCTCCAGATAAGCCTTCCC
 CCACTTACCCAGTTCACCTCTGGTCCCTGTTTCCAGCTCTTGTGACCAACTTCTACACCTTCTCTGG
 CTGGAAGCACTAAAGTGTACAGTGTCTTGTATCTCCAAGTCCGAGACCTATAAAGTCCCTTCTCTC
 CTGTACACTTAGTGCCCACTGTCCCTGCCTCCTCAGGGCCTGACAGATGCGGGCCTCCTAGATCAGTCA
 GCAGATTAACAAGTATTTTTAAAATTAACATTAATAAAGTGGATTATTTTTTTGGAAAAAAAAAAAAA AAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_017401
Insert Size: 1491 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:	<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>BC056213</u> , <u>AAH56213</u>
RefSeq Size:	2735 bp
RefSeq ORF:	1491 bp
Locus ID:	54125
UniProt ID:	<u>Q9JIW4</u>
Cytogenetics:	11 A1
Gene Summary:	Gap-filling polymerase involved in repair of DNA double-strand breaks by non-homologous end joining (NHEJ). Participates in immunoglobulin (Ig) light chain gene rearrangement in V(D)J recombination.[UniProtKB/Swiss-Prot Function]