

Product datasheet for **MC203212**

Polr3e (NM_025298) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polr3e (NM_025298) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Polr3e
Synonyms:	RPC5; Sin
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC037637
 CCACGCGTCCGCCACGCGTCCGGGCCGCTGCCTGATAGAAGACCCGGCCGCCGCTCTCTGCAGCCC
 CGGGTCCCTGGGCCGTTCCGCCGCCCGCGCGGCCCGCGGAGAGATCGAGTTGAGGACTGTGAGGTG
 GGCTCCCTAGTATGGCCAATGAAGAAGTAGCCAGTCATACAGGAGATCGATGTGACTTGGCTAAAAG
 TCTGGCAGAGAAGCTGTATCTCTTTTCAGTATCCTGTGCGTCTGCTTCAATGACCTATGATGACATTCCA
 CATCTCTCAGCCAAGATCAAGCCCAAACAGCAGAAGGTAGAGCTTGAGATGGCCATCGACACCCCTGAATC
 CCAACTACTGCCGACGAAAGGGGAGCAGATCGACTGAACGTGGACGGTGCCTGTGCTGACGAGACTAG
 CACATATTCTCAAAGCTGATGGACAAGCAGACCTTCTGCTCTCCAGACCACAGCAACACAGCTCGT
 TATGCCGCTGCACTCTACAGCAAGGTGAGCTCCACCTGACACCTTTACATGGCATCCTACAGCTTCGGC
 CCAGCTTCTCCTACCTTGATAAGGCAGATGCCAAGCACCGAGAGAGGGAGGCAGCCAATGAGGCAGGGGA
 TTCTTCTCAGGACGAGGCAGAAGAAGACGTTAAGCAGATCACGGTACGGTTCTCCAGGCCAGAGTCCGAG
 CAGGCTCGCCAGCGCCGCTGCAGTCTATGAGTTCTTGCAGAAGAAGCATGCAGAAGAACCCTGGGTCC
 ACCTGCACTACTATGGCATGAGGGACAGCCGCTCAGAGCATGAGCGCCAGTACCTGCTGTGCAGGGATC
 CAGCGGGGTAGAGAACACGGAGCTCGTCAAGTACCCAGTGAATACCTCATGATGCTCATGCCGCCAGC
 CCAGAGGAGGAGAAGGACAAGCCTGTGGCTCCCAGCAATGTCTTATCTATGGCCAGCTGCGTACATTGC
 CTCTGGCTGATCAGATTAAAGTCTGATGAAGAAGCTGAAAGTCAATGCCCTTCGCTAATCTCATGAGCCT
 CCTGGGCCCTCTGTGGACTCTGTGGCTGTTCTACGTGGCATCCAGAAGGTGGCGATGTTAGTCCAAGGA
 AACTGGGTGGTAAAGAGTGACATCCTGTATCCCAAGGATTCTCCAGCCCTCACAGTGGCATGCCTGCTG
 AGGTGCTCTGCAGGGGCCGAGACTTTGTTATGTGGAAGTTCACACAGAGCCGATGGGTGGTAAAGAAAGGA
 GGTGGCAGCAGTGACCAAACCTCTGCGCTGAGGATGTGAAGGACTTCTGGAGCACATGGCTGTAGTGAGA
 ATCAACAAAGGCTGGGAGTCTTACTGCCTTACGACCTGGAGTTTATCAAGAAGCATCCAGATGTGGTCC
 AGCGCAGCACATGCTGTGGTCCGGCATCCAGGCCAAATTAGAAAAAGTCTATAATCTCGTAAAAAGAAAC
 CATGCCAAAGAAGCCGGATGGACAATCAGCGCCTGTTGGTCTGGTCTCTGGGGAACAGCGGGTCCAAACA
 GCCAAAACAAGGCCAGCAGAACCATGCCTTCTTGGAGCGTGAACGTGCAGCGACGGAAGGAGCAGATGC
 GGCAGCCACAGTCTGCCAGCGTGCAGATCAAGGAGGAACCCCTGAGTGAGGAGGAAGCCGATGGGGC
 TGAGCTGGAGGCTGAGGAAGAGGAGCCATGGACACTGCACCCAGCACTTGCCTCAGCACCAGTTGGCC
 AATGGGCTGCCTGCTGGGCGGCAGTGGTGGGGACAGCCTAAATGGACACCCAGTTCAGGCTGTGCCA
 GCAACCCGGTTGCCTGTGAAGTGAAGGCTTTTGTGGAAGCCACCTTTCAGAGACAGTTTGTGCTCACGCT
 GAGCGAAGTCAAGCGCCTCTTCAACCTGCACCTGGCAGGCTGCCCGGGCCATATACTCTTCAGTGGC
 GTCTCAGACCGAATGCTACAGGATACGGTGTGGCGCTGGCTGCAAGCAGATACTGGTGCCTTTTCCCC
 CACAGACTGCTGCTTCCCCTGATGAGCAGAAGGTATTTGCCCTCTGGGAGTCTGGAGACATGAGTGACCA
 GCATCGGCAGGTTTTGCTTGAATATTTTCCAAAATACCGAGTACGTCGGAACCTGATCCAGTCTCGG
 CTGACTCAAGAATGTGGAGAAGAGCTAAGCAAACAGGAGGTGGATAAAGTGTAAAGGACTGTTGTGTAA
 GCTGTGGTGGCATGTGGTACCTAAGGGGACAGTACAATCCTGACAATAGGAGCAAACCTGCTAACTCGAC
 GAATCCAAGCCCAGGGAAGGATGGCAGAGCCACACGTAGTCTTGACTTGCCTCAAGACACAGGAAGAGGA
 TCTGCCTACCTGGTGGCCTGTGGCGCTGCCTGGCCAGAGGACAGAGGGGCTCATGCTCAGCCAGTGGCA
 GGGTCAGCGTAAGTGAGAGCGCTCCCAGCAGAGACCAGCGGGCCTTCTTGCAGTACAATTTGAAATTC
 TGATGTATTTGCTTATTTGGTTCATTCTCATAATAAAGAGAGTGTACACTGACATGGGCAGGATTACG
 AAAATCATGGTTAATATTTTCTCTTTTAAATGAATGCCAACATAGTTAAAGATATGTTTACAAGATGA
 AGAGAACCTTAAGGTTTTAATATTTAAAATGCCTAGAAGCCAATAATTAGTCTTAGAGTTCTCTCTGC
 TAAGACTCCTGCCAATTTTATTAACCAAATTTGAACATTTTACTGTTGGTCTTCTGAGGCCACTTTACCT
 TTATAGCAGCCTGCTTCTGTAGCGGTCTCAACTGTTTACACAAACCATAGCAAAACATTAGATTAACTC
 CATCTTCTCCTAATGTTTGCATAAAGGTGCAAACATAACCAGGTAAGTGTGGAACAGTATAAAGCGAGG
 TTATCACTTTGATGTAATAAAATCTATTTTGTGATTTTTTAAATAAATGCTAACACTAAAAAAAAAAAA AAA

Restriction Sites: RsrII-NotI
ACCN: NM_025298
Insert Size: 2133 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:	BC037637 , AAH37637
RefSeq Size:	3013 bp
RefSeq ORF:	2133 bp
Locus ID:	26939
UniProt ID:	Q9CZT4
Cytogenetics:	7 F2
Gene Summary:	<p>DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheral component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Essential for efficient transcription from both the type 2 VAI and type 3 U6 RNA polymerase III promoters. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts induce type I interferon and NF- Kappa-B through the RIG-I pathway (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>