

Product datasheet for **MC200703**

Polr3f (NM_029763) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Polr3f (NM_029763) Mouse Untagged Clone
Tag: Tag Free
Symbol: Polr3f
Synonyms: 2810411G20Rik; 3010019O03Rik; 3110032A07Rik; RPC6; RPC39
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC009159 sequence for NM_029763
 CTCGCCTCTCTCAAGCCTCGGTCCCCGGCGCGCCTCCACCGGTTCCCGAGACTTCCAGCGCGCTCC
 GAGGGGCCACTTTTCTCTAGTCTGAAAACGAACTGCCCTCATGGCGGAGGTGAAGGTGAAGGTGCAGCCGCC
 GGACGCGGATCCGGTGGAGATAGAAAACAGAATTATAGAATTATGCCACCAAGTTCCTCATGGAATCACA
 GATCAAGTAATTCAGAACGAAATGCCTCACATTGAAGCCAGCAGCGGGCAGTGGCCATCAATAGACTGT
 TATCCATGGGTCAGTTGGATCTTTAAGGAGTAATACAGGCTCTTATATAGAATAAAGGATTCTCAGAA
 TGCTGGTAAAAAAGGGGTCCGATAACAGGAAAAACTGGTCTATCAAATCATAGAGGATGCAGGGAAT
 AAAGGAATATGGAGCAGAGATATTCGGTACAAAAGTAACCTGGCGTTAACAGAAATCAACAAAATTCTCA
 AGAATTTGAAAGTAAAAAGCTAATTAAGCCGTGAAGTCTGTAGCAGCTTCCAAAAAGAAGTTTATAT
 GCTCTATAACCTGCAGCCAGACCGATCTGTGACTGGCGGTGCCTGGTACAGTGACCAGGATTTTGAATCT
 GAATTTGTTGAGGTGCTTAATCAACAGTGTTCAAATTCCTACAAGCAAGGCAGAGACAGCAAGAGAAA
 GTAAACAGAAATCCAGTGATACAAAGAAATAGTTTCAATTCATCGTCACATGAAGTCTGGAAGTACATCTG
 TGAGCTGGGCATCAGCAAGGTAGAGTTGTCATGGAGGACATTGAAACCATCTTGAACACACTCATTAT
 GATGGCAAAGTGGAGATGACTATCATTGCTGCGAAGGAAGGCACTGTTGGCAGCGTAGATGGACACATGA
 AACTGTACAGGGCAGTCAACCCAATCCTCCCACCTACAGGCGTGGTCCGGGCACCCTGTGGACTCTGCC
 CGTTTTTGAGGACTGCCATGAAGGTGGTGAATTTGCGCGTCTAATTTGATTTACATGACCGAGTGGCTT
 GAATTTAATGAGAGCTGTGCACCTTATCTACATTTGGCAAACGAACTCCATGGAGAACAACAATTCA
 TGATGGAGTGAAATTTCTTTGAAAGCATACTTCAATAAATGGATACTGACTTGTCTGCTATGAAAAAT
 TTATTTATGAAGACAGAACAAGCAGATTGAGTTTAAATAAGTTTAAATGGGAAGTCTCTTCTTCAGT
 AAGTAAAAATACCTTGAAGTCTGGAAGGCAAGGAAAAGAAGCCAGCAAGCCTATGTTGACCAAGTACTGA
 GATAAAGGCTGGAACGAGAAGATGTTCACTAGAGTTGCTTCAATTGAAAACCTATCGGGGTTATTACCACC
 ATTTGTTGGTTGTTTTGGTTTTGTTGAGAAGAAATACAAGTGGTGCAGATAGGAACAGCTGATGGC
 ATGTGTGCCATCTTGGGGCCTGGGTAGTCAAGTGGGCATTCTTTTTTCATGCCATCTGTTGCTCTTACC
 CCAGGACTCTTTCAGGGGAGTGTGCCTCCATACCGACCTCACTCCCAAATGCTGTTGTACAGGACGTGT
 TCCACATCACTGTTATTCATGCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_029763
Insert Size:	951 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:	BC009159 , AAH09159
RefSeq Size:	1665 bp
RefSeq ORF:	951 bp
Locus ID:	70408
UniProt ID:	Q921X6
Cytogenetics:	2 G1
Gene Summary:	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. May direct RNA Pol III binding to the TFIIIB-DNA complex. 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). Preferentially binds double-stranded DNA (dsDNA) (By similarity).[UniProtKB/Swiss-Prot Function]