

## Product datasheet for MC218102

### Polr2c (BC002023) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Polr2c (BC002023) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Polr2c  
 Synonyms: mRBP31, 33kDa, RPB3  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >BC002023  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGTACGCCAACCCAGCCAACAGTGC GGATCACGGAACCTACCGAAGAGAACGTCAAGTTCATTATCG  
 AGAACACGGACCTGGCGGTGGCCAATTCATTCGGAGGGTCTTCATCGCAGAGGTGCCATAATAGCCAT  
 CGACTGGGTTTCAGATTGACGCCAACTCCTCGGTCCTTCATGATGAATTCATCGCGCACAGGCTTGGTTTA  
 ATCCCCCTCACTAGTGATGACATTGTGGACAAGCTGCAGTACTCCGGGACTGCACATGTGAAGAGTTCT  
 GCCCTGAGTGTTCTGTGGAGTTCCTCTCGATGTGAGGTGCAATGAAGACCAGACGCGCCATGTCACCTC  
 CCGAGATCTCATCTCCAACAGCCCCGGGTTATTCGGTGACATCTCGGAACCGGGATAACGACCCTAAT  
 GACTATGTGGAGCAGGATGACATCCTTATTGTCAAGCTGAGGAAGGGGCAGGAGCTGAGACTTCGAGCCT  
 ATGCCAAGAAGGGCTTTGGCAAGGAACATGCCAAGTGAACCCCTACTGCGGGGTAGCTTTTGAATACGA  
 TCCAGACAACGCCTTCGGCATAACAGTGTATCCCAAGCCTGAGGAATGGCCAAGAGTGAGTATTCGAG  
 CTGGATGAGGATGAGTCGCAGGCTCCCTACGACCCCAACGGCAAGCCAGAGAGGTTTTACTACAATGTGG  
 AGTCGTGTGGCTCACTGCGCCCTGAAACCATTGCCTCTCAGCCCTGTGCGGGCTAAAGAAGAAGCTGAG  
 TGATTTACAGACTCAGTTAAGCCATGAGATCCAGAGTGACGTGCTCACCATAAACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: BC002023  
 Insert Size: 828 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC002023</a> , <a href="#">AAH02023</a>
<b>RefSeq Size:</b>	1207 bp
<b>RefSeq ORF:</b>	827 bp
<b>Locus ID:</b>	20021
<b>Cytogenetics:</b>	8 C5
<b>Gene Summary:</b>	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. Pol II is the central component of the basal RNA polymerase II transcription machinery. It is composed of mobile elements that move relative to each other. RPB3 is part of the core element with the central large cleft and the clamp element that moves to open and close the cleft (By similarity). [UniProtKB/Swiss-Prot Function]