

## Product datasheet for **MC209330**

### Polr2c (NM\_009090) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Polr2c (NM\_009090) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Polr2c  
**Synonyms:** 33kDa; mRBP31; RPB3; Rpo2-3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209330 representing NM\_009090  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCGTACGCCAACCCAGCCAACAGTGC GGATCACGGAACCTACCGAAGAGAACGTCAAGTTCATTATCG  
AGAACACGGACCTGGCGGTGGCCAATTCATTCGAGGGTCTTCATCGCAGAGGTGCCATAATAGCCAT  
CGACTGGGTTTCAAGTTCAGCCTCCTCGGTCCTTCATGATGAATTCATCGCGCACAGGCTTGGTTTA  
ATCCCCCTCACTAGTGATGACATTGTGGACAAGCTGCAGTACTCCGGGACTGCACATGTGAAGAGTTCT  
GCCCTGAGTGTTCTGTGGAGTTCCTCTCGATGTGAGGTGCAATGAAGACCAGACGCGCCATGTCACCTC  
CCGAGATCTCATCTCCAACAGCCCCGGGTTATTCGGTGACATCTCGGAACCGGGATAACGACCCTAAT  
GACTATGTGGAGCAGGATGACATCCTTATTGTCAAGCTGAGGAAGGGGCAGGAGCTGAGACTTCGAGCCT  
ATGCCAAGAAGGGCTTTGGCAAGGAACATGCCAAGTGAACCCCTACTGCGGGGTAGCTTTTGAATACGA  
TCCAGACAACGCCTTAGGCATACAGTGTATCCCAAGCCTGAGGAATGGCCAAGAGTGAGTATTCAGG  
CTGGATGAGGATGAGTCGAGGCTCCCTACGACCCCAACGGCAAGCCAGAGAGGTTTTACTACAATGTGG  
AGTCGTGTGGCTCACTGCGCCCTGAAACCATTGTCTCTCAGCCCTGTGCGGGCTAAAGAAGAAGCTGAG  
TGATTTACAGACTCAGTTAAGCCATGAGATCCAGAGTGACGTGCTCACCATAAAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_009090  
**Insert Size:** 828 bp



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<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="#">NM_009090.5</a> , <a href="#">NP_033116.2</a>
<b>RefSeq Size:</b>	1580 bp
<b>RefSeq ORF:</b>	828 bp
<b>Locus ID:</b>	20021
<b>UniProt ID:</b>	<a href="#">P97760</a>
<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]