

## Product datasheet for **MC218078**

### Polr2m (NM\_178602) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Polr2m (NM\_178602) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Polr2m  
**Synonyms:** AA407243; AA408799; AI303746; AW553238; D9Wsu138e; Grinl1a; mKIAA4185  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC218078 representing NM\_178602  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCTCGCTGCCCCGGGCTTCGAGCCCCAGCTCCCGAGGACTTGGGGCGGCAGAGTTCGGCGGAGC  
 TCGGGGAGAGGTTGAGGGCCAGGAGAGACTTTTGCACAACGAAAAATTCATTTGCAAAATGCCCGACAA  
 AGGTAAAAGATCTCAGACACAGTTGCCAACTGAAAGCTGCCATTTAGAACGTAAGAGGTTAGAGGG  
 AGAAGTGAAGTGTTCATCCTGTTAGTGTAGACTGTAAGCTAAGGCAAAAAGCAACCACAAGAGCTGACA  
 CCGATGTAGACAAGGCCAGAGTTCGACCTGATGCTTGATACTTCATCATTAGATCCTGACTGTTCCCTC  
 AATAGACATTAAGTCATCTAAATCAACCTCAGAAACACAGGGACCTACACATCTCACTCACAGAGGCAAT  
 GAAGAGACTTTGGAGGCTGGCTACACAGTAAACAGCAGCCAGCTGCCACATCCGAGCCCGGGCGCCCT  
 CATCCGAAGTTAAGGAGCATCTCCCCAGCACTCTGTTTCAAGTCAAGAGGAAGAGATCTCCAGCAGCAT  
 CGACAGTCTCTTCATCACTAAATGCAAAAAATCACAATTGCAGACCAGAGTGAACCTCAGAAGAAAAAC  
 ACCAGCACTGAGAAGTTCCAGAACTGCAGAGTGAGACTCCTAAGAAGCCTCATTACATGAAAGTGCTAG  
 AAATGCGAGCCAGAAACCCAGTGCCCCCTCCTCATAAGTTAAGACCAATGTGTTACCCACACAACAGAG  
 TGACTACCAAGTCATTGTGAGAGGGCCAGTCTCCTGCTTCTCAGAAGAGCAGCGACGAAGGGCTAGG  
 CAGCATCTTGATGATATCACAGCAGCGCCCTCCTCCGCTCCACCACCTGCCTGCACAGCTGCTTTCCA  
 TAGAAGAGTCGCTGGCCCTGCAGAGGGAGCAGAAGCAGAATTAAGAGGATGCAGGCAAAGCTCGCAGC  
 ACAGAACTGGCCGAGAGACTGAATATTAATAATGCAGAGCTACAATCCAGAAGGGGAGTCTTCAGGGAGA  
 TACCGAGAAGTGAGGGACGAAGCTGATGCCAGTCTCGGATGAGTGCTGA

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_178602



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<b>Insert Size:</b>	1101 bp
<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>	<u><a href="#">NM_178602.3</a></u> , <u><a href="#">NP_848717.1</a></u>
<b>RefSeq Size:</b>	2265 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	28015
<b>UniProt ID:</b>	<u><a href="#">Q6P6I6</a></u>
<b>Cytogenetics:</b>	9 39.85 cM
<b>Gene Summary:</b>	<p>Isoform 1 appears to be stable component of the Pol II(G) complex form of RNA polymerase II. Pol II synthesizes mRNA precursors and many functional non-coding RNAs and is the central component of the basal RNA polymerase II transcription machinery. Isoform 1 may play a role in Mediator-dependent regulation of transcription activation. Isoform 1 acts in vitro as negative regulator of transcriptional activation; this repression is relieved by the Mediator complex, which restores Pol II(G) activator-dependent transcription to a level equivalent to that of Pol II (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>