

Product datasheet for **MC207690**

Polr2i (NM_027259) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Polr2i (NM_027259) Mouse Untagged Clone
Tag: Tag Free
Symbol: Polr2i
Synonyms: 2810002B19Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207690 representing NM_027259
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGAACCCGACGGGACGTACGAGCCTGGCTTCGTGGGTATTCGGTTCTGCCAGGAATGTAATAACATGC
TGTACCCCAAGGAGGACAAGGAAAATCGCATTCTGCTGTACGCGTGCCGGAATTGCGATTACCAGCAGGA
AGCCGACAACAGCTGCATCTACGTCAACAAAATCACGCACGAAGTGGACGAGCTGACCCAGATCATCGCA
GACGTGTCCCAGGACCCACGTTGCCCGGACGGAGGACCACCGTGCCAGAAGTGTGGCCACAAGGAGG
CAGTGTCTTTTCAGTACACAGTGCCCCGAGCTGAGGACGCCATGCGCCTGTACTATGTTTGCCTGCC
ACACTGCGGCCACCGCTGGACTGAG**TGA**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_027259

Insert Size: 378 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).



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Reconstitution Method:

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: [NM_027259.1](#), [NP_081535.1](#)

RefSeq Size: 707 bp

RefSeq ORF: 378 bp

Locus ID: 69920

UniProt ID: [P60898](#)

Cytogenetics: 7 B1

Gene Summary: 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. RPB9 is part of the upper jaw surrounding the central large cleft and thought to grab the incoming DNA template (By similarity). [UniProtKB/Swiss-Prot Function]