

Product datasheet for **MC204220**

Polr2f (NM_027231) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Polr2f (NM_027231) Mouse Untagged Clone
Tag: Tag Free
Symbol: Polr2f
Synonyms: 1810060D16Rik; RPB6
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024419
 GGCAAAGGCGCGTTCCTCTGCTCTGCGCCCCGGGCGGAGAAGGCATCATGTGACACAACGAGGACAATT
 TCGACGGCGGCGACTTTGATGACGTTGAGGAGGACGAAGGACTTGACGACTTGGAAAATGCTGAGGAGGA
 GGGCCAGGAAAATGTCGAGATTCTCCCATCTGGTGAGCGACCACAGGCCAACAGAAGCGGATCACCCT
 CCTTACATGACCAAGTATGAGCGTGCCCGAGTGCTGGGCACCCGGGCTCTTCAGATCGCGATGTGTGCC
 CGGTGATGGTGGAGCTGGAGGGGAGACAGACCCTTTGCTCATCGCCATGAAGGAACAAGGCGCGGAA
 GATCCCCATCATTCGCGGTACCTGCCAGACGGCAGCTATGAGGACTGGGCGTGGACGAGCTTATC
 ATCAGCGACTGAGCCGGGCGGCTCGGCCTGCACCAGCTCTGCTGGGCACCCTCTCTGTGCCGTTTTAT
 ATGTGTAATAATAAACCTCACCTTTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_027231
Insert Size: 384 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: [BC024419](#), [AAH24419](#)

RefSeq Size: 612 bp

RefSeq ORF: 384 bp

Locus ID: 69833

UniProt ID: [P61219](#)

Cytogenetics: 15 37.7 cM

Gene Summary: DNA-dependent RNA polymerases catalyze the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I, II and III which synthesize ribosomal RNA precursors, mRNA precursors and many functional non-coding RNAs, and small RNAs, such as 5S rRNA and tRNAs, respectively. Pol II is the central component of the basal RNA polymerase II transcription machinery. Pols are composed of mobile elements that move relative to each other. In Pol II, POLR2F/RPB6 is part of the clamp element and together with parts of RPB1 and RPB2 forms a pocket to which the RPB4-RPB7 subcomplex binds (By similarity).[UniProtKB/Swiss-Prot Function]