

Product datasheet for **MC207583**

Polr2e (NM_025554) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Polr2e (NM_025554) Mouse Untagged Clone
Tag: Tag Free
Symbol: Polr2e
Synonyms: 25kDa; 2410021N14Rik; AW208866; RPB5; XAP4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207583 representing NM_025554
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGACGAGGAGGAGACCTACCGGCTGTGGAAGATCCGCAAGACGATCATGCAGCTGTGTCATGACC
GTGGCTACCTGGTGACCCAGGATGAACTGGACCAGACACTTGAGGAATTC AAGGCGCAGTTTGGGGACAA
GCCAGCGAAGGACGGCCAAGGCGCACAGACCTCACGGTGTGGTGGCCACAACGATGACCCACAGAC
CAGATGTTTGTGTTCTTCCAGAGGAGCCCAAGGTGGGCATCAAGACCATCAAGGTATACTGCCAGCGCA
TGCAGGAGGAAAACATCACACGGGCGTGATTGTGGTGCAGCAGGGCATGACGCCCTCCGCCAAGCAGTC
CCTGGTGGACATGGCCCCGAAGTATGTGCTGGAACAGTTTCTACAGCAGGAGCTGCTCATCAATATCACA
GAGCAGGAGCTAGTCCCTGAGCACGTGGTCATGACAAAGGAGGAGGTGACTGAACTGCTGGCTCGATACA
AGCTTCGTGAGAGCCAGCTACCCAGAATCCAGGCCGGGGACCCAGTGGCACGGTACTTTGGGATCAAGCG
AGGGCAGGTCGTGAAGATCATCCGCCCCAGTGAGACGGCTGGCCGCTACATCACCTACCGCTGGTGCAG
TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_025554
Insert Size: 633 bp



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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).
Reconstitution Method:	<ol style="list-style-type: none">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_025554.2 , NP_079830.2
RefSeq Size:	1022 bp
RefSeq ORF:	633 bp
Locus ID:	66420
UniProt ID:	Q80UW8
Cytogenetics:	10 C1
Gene Summary:	DNA-dependent RNA polymerase catalyzes 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, POLR2E/RPB5 is part of the lower jaw surrounding the central large cleft and thought to grab the incoming DNA template. Seems to be the major component in this process (By similarity).[UniProtKB/Swiss-Prot Function]