

Product datasheet for MR200351

Polr2d (NM_027101) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Polr2d (NM_027101) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Polr2d
Synonyms: 2310002G05Rik; 2610028L19Rik; HSRBP4; RBP4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200351 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCTGGAGCATCGAAAGCAGCAGAACGAGAGCGCGGAGGACGAGCAGGAGCTGTCGGAGGTCTTCA
 TGAAAACCCTCAACTACACGGCCCGCTTCAGCCGCTTCAAAAACAGAGAGACCATTGCCAGCGTGCGCAG
 CTTGCTTCTCCAGAAAAAGTTACATAAGTTTGAGTTGGCTGTTAGCCAATCTTGCCCGGAGACTGCT
 GAAGAGTCAAAGCTCTGATTCCAAGCCTGGAAGGGCGTTTTGAAGATGAGGAGCTGCAGCAGATTCTCG
 ATGACATCCAGACGAAGCGCAGCTTCCAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200351 protein sequence
 Red=Cloning site Green=Tags(s)
 MLLHRKQQNESAEDEQELSEVFMKTLNYTARFSRFKNRETIASVRSLLLQKHLKHFELACLANLCPETA
 EESKALIPSLEGRFEDEELQQILDDIQTKRSFY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

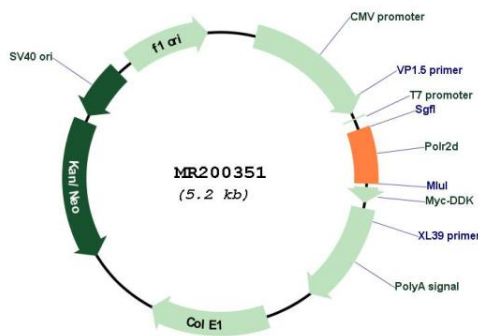


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Locus ID: 69241
 UniProt ID: [Q9D7M8](#)
 Cytogenetics: 18 B1
 MW: 12.3 kDa

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. RPB4 is part of a subcomplex with RPB7 that binds to a pocket formed by RPB1, RPB2 and RPB6 at the base of the clamp element. The RPB4-RPB7 subcomplex seems to lock the clamp via RPB7 in the closed conformation thus preventing double-stranded DNA to enter the active site cleft. The RPB4-RPB7 subcomplex binds single-stranded DNA and RNA (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200351