

## Product datasheet for MR218454

### Polr3d (NM\_001164082) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Polr3d (NM_001164082) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Polr3d
Synonyms:	44kDa; 2810426M17Rik; AI326118; AW489084; BN51T; RPC4; TSBN51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218454 representing NM_001164082 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGAAGGAAACGCGCGGGCGAGCCAGCAATCCTGGAGGGCCGCGACCCCTTCTCTGGGGGCC  
GGGGGCTGATCGGCCGGCGCCCGCACCCCGCTTACGCCGGTCGCCTTCCCTCCATCCGCTCCCGGA  
CCTCACCTTGGCGGAGTCAAGAAGAAAACCTTACCCCAAATATCATCAGTCGGAAGATCAAAGAAGAG  
CCAAAAGAAGAAGTGACTATGAAGAAGAAAAGCGTGAACGGGACAGGGACCGCCAGCGTGAGGGTCAG  
GACGGGGACGTGGCCGCCGGAAGTGATCCAGTCCATTCTATCTTCGAGCAGGGTCCGGCAGAAATGAT  
GAAAAAAAAGGGAAGTGGGATAAGACCGTGGACATGTCCGACATGGGACCTTCTCATATCATCAACATC  
AAAAAAGAGAAGAGAGAAACAGACGAAGAGACCAAGCAGATCCTGCGCATGCTGGAGAAGGATGACTTCA  
TCGATGACCCGGGGCTAAAGAATGACACACGGAACATGCCAGTGCAGCTGCCTCTGGCTCATTAGGGTG  
GCTTTTTAAGGAGGAGAGTGAAGAGCCAGAGGCTAAGCCTTTTTTCGGCTGGCCCCAAGGAAGAAGATATG  
GAGGTGGACGTGCCTGCCGTCAAAGTGAAGAGGAGCCACGAGATGAGGAAGAGGAAGCCAAGGTGAAAG  
CCCCTCAAGAGCAGCCCGGAAGACTCCTGGCCTCCCAAAGGACGTGTGGTGGCCGAGCTGCTCAGAGA  
GCTGAGCCTCATGAAGGATGAGGAGTCTCTGTTCTTTCAGTGCCTGACACCTCCCGGGCAGCCACCC  
ACTCAGGACATCAAGCCTGTCAAGACAGAGGTGCAGGGCGAGGATGGACAGATGGTATGATCAAAAGCAGG  
AAAAAGACCGGAAGCCAGGCTAGCAGAGAATGCTTGTACCTTGGCTGACCTGACAGAGGGTCAAGTGGG  
CAAAGTCTCATCCGTAAGTCAAGGAAGGTGCAACTCCTCCTGGCAAGGTGACTCTAGATGTGACCATG  
GGAACGACCTGTTCTTTCTGACGGAAGTGGTGTCTGTGGCCTTGGAGACAGCAGAACAGGGGAGATGA  
CAGTCCTGGGACATGTGAAGCACAACTTGATGTTCTCTGATTTTGAATCTCTCTTGGATCACAAACA  
CCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



**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\\_001164082.1](#), [NP\\_001157554.1](#)

**RefSeq Size:** 2017 bp

**RefSeq ORF:** 1197 bp

**Locus ID:** 67065

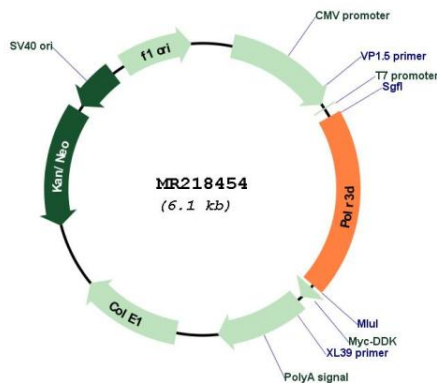
**UniProt ID:** [Q91WD1](#)

**Cytogenetics:** 14 D2

**MW:** 44.4 kDa

**Gene Summary:** DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts induce type I interferon and NF- Kappa-B through the RIG-I pathway (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218454