

## Product datasheet for **MR207725**

### **Polr1e (BC034783) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Polr1e (BC034783) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Polr1e
Synonyms:	53kDa; AU042259; D030019D19Rik; Paf53; Praf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207725 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCCCTGGAGTCTCTGGGATGGATGACCAGGCTGGAGACACGGAGACAGAGGCGCTACAGAGTG  
 CAAGGTGGCTGTACTGTGGAGAGCCCGACGACAGGCAGAAAGCTGTGCTGGTCCAGTTCTCCAATGGGAA  
 GCTGCAGAATCCGGGCGACATGCCTTACCTTGTACAACAGCACCGACTTAGTAAACCCAGGCAGAGG  
 AGTCACCGGATCGTGGCAGCTGAAACAGACAGGCTCTCCTATGTCGAAACAATTTGGGACCGTGCCC  
 TCAATGCAATGCTCTTTCAGACACTTTGTGGGAATTCTGAATAAGACCTCTGGCCAGATGGAAGTCTA  
 TGATGCCGAAGTGTCAACATGCAGCCGCTGTTTGTGGAATGGAACTGAAGTCATCAAACCTGGTGGC  
 CAACACCTTTACCTGCTGGCCTTCTGCCAACCCCAAGAACCTGGCTGAGGCAGGTGACCTGCTGCTGA  
 GCCGACACCGGCAAGGCCATTGCATTGCAGTCTGCTGGATGACGATGCTATTGAGCGAGAGCCTCCTCT  
 GGAGAATCAGAACAAGACTTTTCAGGGACAAGTTGGATTCTTGCAATGAAGCCTTTGGAAGCACAAGCAG  
 AAGCGGTCCCTAAACTCCAGGCGGATGAACAAAGTTGGCAGCGAGTCTCTGAATCTCAGTGTGGCGAAAG  
 CCGCGGAGAGTATCATTGATACAAGGGTGTGAATGCGCTGGTCAGTGATGCCATGCAGGATGACTTACA  
 ATATGACGCCCTCTACCTTCTCCTGCTACGCTGACGCAGCCAAAGCCGGAAGACGTGTATAGATTTGAA  
 GACATTCTGTCCCGGCCGAGTATGATGCTCTTGAGAGCCATCCGAAGCCTTCAGAAAGGTCACATCGG  
 AAGACATACTGAAGATGATTGAAGAGAACGCCACTGCTCCTACGTCATAGAAATGCTGAAGTCTCTGCC  
 CATAGTAGAGTCCACCGGAACCGGCAAGCCCGGAGCATCTGGTTCCTAGACGCCCTCATCAGATTCCGA  
 GCTCAGAAAGTGATAAAGGGGAAAAGAGCCTTAGGGCTGGAATCCCGCACATTATCAACACCAAGCTGC  
 TGAACAGTTCACCTGCTTGACCTACAACAACCGCAGGTTACAGAACCTAATTTCAAGTCTATGAGGGC  
 CAAGATCACTTCGTATGCGATCATACTTGCCCTGCACATAAATAACTTCCAGGTTGACCTGACAGGTTG  
 CAGAAGGACTTGAAGCTGAGTGAGAAAAGGATTATTGAGATAGCGAAAGCCATGAGGCTGAAGATCTCCA  
 AACAAAAGGTGTCCCTGGCAGATGGCAGGGAAGAGAGTACAGACTGGGCACTCTGTCTGTCCCACTGCC  
 TCCAGCCAGAAGTCTGATCGACAGTCAAAGCGGAGGAAAATGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207725 protein sequence  
 Red=Cloning site Green=Tags(s)

MAALESPGMDDQAGDTETEALQSARWL YCGEPDDRQKAVLVQFSNGKLQNPQDMRFTLYNSTDLVNPQR  
 SHRIVAAETDRLSYVGNFMTGALKCNALCRHFVGI LNKTSGQMEVYDAELFNMQPLFAGMGTEVIKLG  
 QHLYLLAFCQPSKNLAEAGDLLSRHRQGHCI AVLDDDAIEREPPLENQKTFRDKLDSCIEAFGSTKQ  
 KRSLNSRRMKNVSESLNLSVAKAAESI IDTKGVNALVSDAMQDDLQYDALYLPCCYADAAKPEDVYRFE  
 DILSPA EYDALESPSEAFRKTSEDILKMI EENSHCSYVIEMLKSLPIDEVHRNRQARSIFL DALIRFR  
 AQKVIKGRALGPGIPHIINTKLLKQFTCLTYNNGRLQNLISSSMRAKITSYAIILALHINNFQVDLTAL  
 QKDLKLEKRIIEIAKAMRLKISKQKVS LADGREESHRLGTL SVPLPPAQNSDRQSKRRKMN

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** BC034783

**ORF Size:** 1446 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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:** [BC034783](#), [AAH34783](#)

**RefSeq Size:** 1757 bp

**RefSeq ORF:** 1448 bp

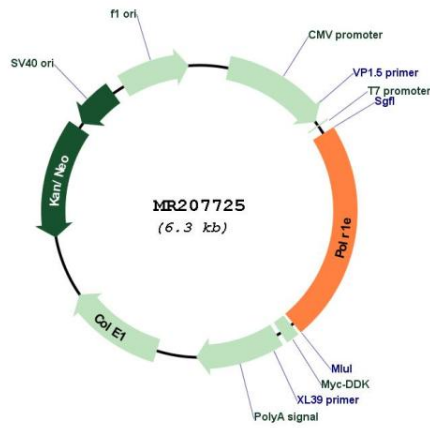
**Locus ID:** 64424

**Cytogenetics:** 4 B1

**MW:** 54.1 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 I which synthesizes ribosomal RNA precursors. Appears to be involved in the formation of the initiation complex at the promoter by mediating the interaction between Pol I and UBTF/UBF. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207725