

Product datasheet for **MG207725**

Polr1e (BC034783) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polr1e (BC034783) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Polr1e
Synonyms:	53kDa; AU042259; D030019D19Rik; Paf53; Praf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207725 representing BC034783
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCCCTGGAGTCTCTGGGATGGATGACCAGGCTGGAGACACGGAGACAGAGCGCTACAGAGTG
 CAAGGTGGCTGTACTGTGGAGAGCCCGACGACAGGCAGAAAGCTGTGCTGGTCCAGTTCTCCAATGGGAA
 GCTGCAGAATCCGGGCGACATGCCTTACCTTGTACAACAGCACCGACTTAGTAAACCCAGGCAGAGG
 AGTCACCGGATCGTGGCAGCTGAAACAGACAGGCTCTCCTATGTCGAAACAATTTGGGACCGTGCCC
 TCAATGCAATGCTCTTTCAGACACTTTGTGGGAATTCTGAATAAGACCTCTGGCCAGATGGAAGTCTA
 TGATGCCGAAGTGTCAACATGCAGCCGCTGTTTGTGGAATGGAACTGAAGTCATCAAACCTGGTGGC
 CAACACCTTTACCTGCTGGCCTTCTGCCAACCCCAAGAACCTGGCTGAGGCAGGTGACCTGCTGCTGA
 GCCGACACCGGCAAGGCCATTGCATTGCAGTCTGCTGGATGACGATGCTATTGAGCGAGAGCCTCCTCT
 GGAGAATCAGAACAAGACTTTTCAGGGACAAGTTGGATTCTGCATTGAAGCCTTTGGAAGCACAAGCAG
 AAGCGGTCCCTAACTCCAGGCGGATGAACAAAGTTGGCAGCGAGTCTCTGAATCTCAGTGTGGCGAAAG
 CCGCGGAGAGTATCATTGATACAAGGGTGTGAATGCGCTGGTCAGTGATGCCATGCAGGATGACTTACA
 ATATGACGCCCTCTACCTTCTCCTGCTACGCTGACGCAGCCAAGCCGGAAGACGTGTATAGATTTGAA
 GACATTCTGTCCCGGCCGAGTATGATGCTCTTGGAGCCCATCCGAAGCCTTCAGAAAGGTCACATCGG
 AAGACATACTGAAGATGATTGAAGAGAACGCCACTGCTCCTACGTCATAGAAATGCTGAAGTCTCTGCC
 CATAGATGAGGTCACCGGAACCGGCAAGCCCGGAGCATCTGGTTCCTAGACGCCCTCATCAGATTCCGA
 GCTCAGAAAGTGATAAAGGGGAAAAGAGCCTTAGGGCTGGAATCCCGCACATTATCAACACCAAGCTGC
 TGAACACGTTACCTGCTTGACCTACAACAACGGCAGGTTACAGAACCTAATTTCAAGTTCTATGAGGGC
 CAAGATCACTTCGTATGCGATCATACTTCCCTGCACATAAATAACTTCCAGGTTGACCTGACAGCGTTG
 CAGAAGGACTTGAAGCTGAGTGAGAAAAGGATTATTGAGATAGCGAAAGCCATGAGGCTGAAGATCTCCA
 AACAAAAGGTGTCCCTGGCAGATGGCAGGGAAGAGAGTACAGACTGGGCACTCTGTCTGTCCCACTGCC
 TCCAGCCAGAAGTCTGATCGACAGTCAAAGCGGAGGAAAATGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207725 representing BC034783
 Red=Cloning site Green=Tags(s)

MAALESPGMDDQAGDTETEALQSARWL YCGEPDDRQKAVLVQFSNGKLQNPQDMRFTLYNSTDLVNPQR
 SHRIVAAETDRLSYVGNFVTGALKCNALCRHFVGI LNKTSQGMEVYDAELFNMQPLFAGMGTEVIKLG
 QHLYLLAF CQPSKNLAEAGDLLLSRHRQGHCI AVLDDDAIEREPPLENQKTFRDKLDSCIEAFGSTKQ
 KRSLNRRMKNV GSESLNLSVAKAAESI IDTKGVNALSVDAMQDDLQYDALYLP CYADAAPEDVYRFE
 DILSPA EYDALESPSEAFRKVTS E DILK MIEENSHCSYVIEMLKSLPIDEVHRNRQARSIWFLDALIRFR
 AQKVIKGRALGPGI PHIINTKLLKQFTCLTYNNGRLQNLISSMRAKITSYAIILALHINNFQVDLTAL
 QKDLKLEKRIIEIAKAMRLKISKQKVS LADGREESHRLGTL SVPLPPAQNSDRQSKRRKMN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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

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]