

Product datasheet for **MG219108**

Polr1e (NM_022811) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polr1e (NM_022811) 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)
ORF Nucleotide Sequence:	>MG219108 representing NM_022811 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACTCTGGAGTCTCCTGGGATGGATGACCAGGCTGGAGACACGGAGACAGAGGGCTACAGAGTG
CAAGGTGGCTGTACTGTGGAGAGCCCGACGACAGGCAGAAAGCTGTGCTGGTCCAGTTCTCCAATGGGAA
GCTGCAGAATCCGGGCGACATGCGCTTCACCTGTACAACAGCACCGACTTAGTAAACCCAGGCAGAGG
AGTACCAGGATCGTGGCAGCTGAAACAGATAGGCTCTCCTATGTCGGAAACAATTTGGGACCGGTGCC
TCAATGCAATGCTCTTTCAGACACTTTGTGGGAATTCGAATAAGACCTCTGGCCAGATGGAAGTCTA
TGATGCCGAAGTTCACATGCAGCCGCTGTTTGTGCTGACGATGCTATTGAGCGAGAGCCCTCTCTGGAG
AATCAGAACAAGACTTTCAGGGACAAGTTGGATTCTTGCATTGAAGCCTTTGGAAGCACCAAGCAGAAGC
GGTCCCTAAACTCCAGGCGGATGAACAAAGTTGGCAGCGAGTCTCTGAATCTCAGTGTGGCGAAAGCCGC
GGAGAGTATTATTGATACAAAGGTGTGAATGCGCTGGTCAGCGATGCCATGCAGGATGACTTACAAGAT
GGCGTCTCTACCTTCTCCCTGCTACGCTGACGACGCAAGCCGGAAGACGTGTATAGATTTGAAGACA
TTCTGTCCCGGCGGAGTATGATGCTCTTGAGAGCCCATCCGAAGCCTTCAGAAAGGTCACATCGGAAGA
CATACTGAAGATGATTGAAGAGAACAGCCACTGCTCCTACGTCATAGAAATGCTGAAGTCTCTGCCATA
GATGAGGTCCACCGAACCGGCAAGCCCGGAGCATCTGGTTCTAGACGCCCTCATCAGATTCGGAGCTC
AGAAAGTGATAAAGGGGAAAAGAGCCTTAGGGCCTGGAATCCCGCACATTATCAACACCAAGCTGCTGAA
ACAGTTACCTGCTTGACCTACAACAACGGCAGGTTACAGAACCCTCATTTCAAGTTCTATGAGGGCAAG
ATCACTTCGATGCGATTACTTGGCCCTGCACATAAATAAATTCAGGTTGACCTGACAGCGTTGCAGA
AGGACTTGAAGCTGAGTGAGAAAAGGATGATTGAGATAGCGAAAGCCATGAGGCTGAAGATCTCCAAACA
AAAGGTGTCCCTGGCAGATGGCAGGGAAGAGAGTACAGACTGGGCACTCTGTCTGTCCCACTGCCTCCA
GCCAGAAGTCTGATCGACAGTCAAAGCGGAGGAAAATGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219108 representing NM_022811
 Red=Cloning site Green=Tags(s)

MATLESPGMDDQAGDTETEALQSARWLYCGEPDDRQKAVLVQFSNGKLQNPQDMRFTLYNSTDLVNPRQR
 SHRIVAAETDRLSYVGNFNGTGALKCNALCRHFVGI LNKTSQGMEVYDAELFNMQPLFADDAIEREPPL
 NQNKTRFDKLDSCIEAFGSTKQKRSLNSRRMNKVGSESLNLSVAKAAESI IDTKGVNALVSDAMQDDLQD
 GVLYLPPCYADAAPEDVYRFEDILSPA EYDALESPSEAFRKTSEDILKMI EENSHCSYVIEMLKSLPI
 DEVHRNRQARSIWFLDALIRFRAQKVIKGRALGPGIPHIINTKLLKQFTCLTYNNGRLQNLISSMRAK
 ITSAYAILLALHINN FQVDLTALQKDLKLSEKRMIEIAKAMRLKISKQKVS LADGREESHRLGTL SVPLPP
 AQNSDRQSKRRKMN

TRTRPLE - GFP Tag - V

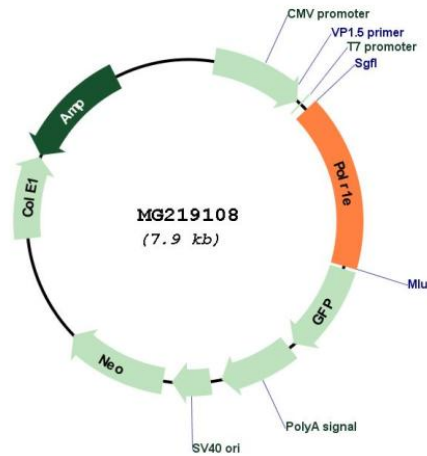
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_022811

ORF Size:	1302 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:	<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_022811.3 , NP_073722.1
RefSeq Size:	2944 bp
RefSeq ORF:	1305 bp
Locus ID:	64424
UniProt ID:	Q8K202
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]