

## Product datasheet for MR219108

### Polr1e (NM\_022811) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Polr1e (NM_022811) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Polr1e
Synonyms:	53kDa; AU042259; D030019D19Rik; Paf53; Praf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR219108 representing NM_022811 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

ATGGCTACTCTGGAGTCTCCTGGGATGGATGACCAGGCTGGAGACACGGAGACAGAGGCGCTACAGAGTG  
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GCTGCAGAATCCGGGCGACATGCGCTTACCTTGTACAACAGCACCGACTTAGTAAACCCAGGCAGAGG  
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:** >MR219108 representing NM\_022811  
Red=Cloning site Green=Tags(s)

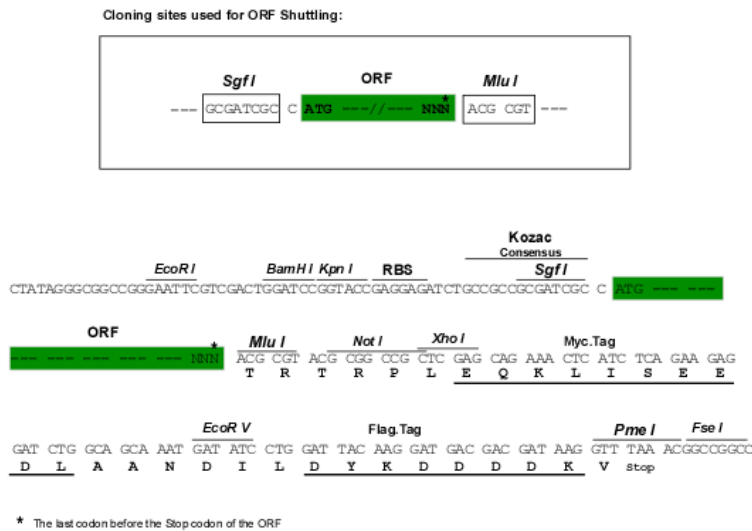
MATLESPGMDQAGDTETEALQSARWLYCGEPDDRQKAVLVQFSNGKLQNPQDMRFTLYNSTDLVNPQR  
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 NQNKTRFDKLDSCIEAFGSTKQKRSLNSRRMNKVGESLNLVAKAAESI IDTKGVNALVSDAMQDDLQD  
 GVLYLPPCYADAAPEDVYRFEDILSPA EYDALESPSEAFKRVTS EDILKMI EENSHCSYVIEMLKSLPI  
 DEVHRNRQARSIWFLDALIRFRAQKVIKGRALGPGIPHIINTKLLKQFTCLTYNNGRLQNLISSMRAK  
 ITSYAILALHINN FQVDLTALQKDLKLSEKRMIEIAKAMRLKISKQKVS LADGREESHRLGTL SVPLPP  
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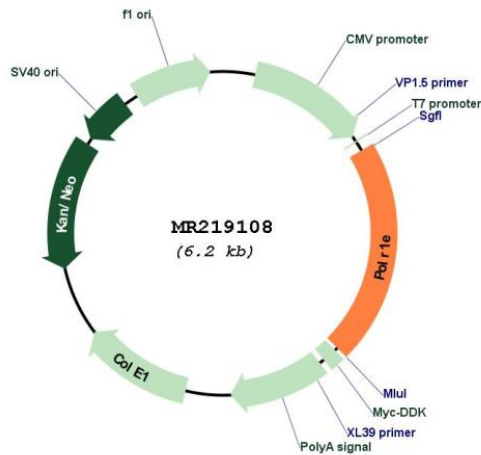
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_022811

<b>ORF Size:</b>	1302 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022811.3</a> , <a href="#">NP_073722.1</a>
<b>RefSeq Size:</b>	2944 bp
<b>RefSeq ORF:</b>	1305 bp
<b>Locus ID:</b>	64424
<b>UniProt ID:</b>	<a href="#">Q8K202</a>
<b>Cytogenetics:</b>	4 B1
<b>MW:</b>	49.3 kDa
<b>Gene Summary:</b>	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]