

## Product datasheet for **MG220555**

### Polr1d (NM\_009087) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Polr1d (NM\_009087) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Polr1d  
**Synonyms:** 16kD; 1110003G10Rik; AC19; mRP; RPA16; Rpo; Rpo1-3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG220555 representing NM\_009087  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAAGACGATCAGGAGCTGGAGAGAAAAATATCAGGATTGAAGACCTCAATGGCTGAAGGCGAGAGGA  
 AGACAGCCCTGGAAATGGTCCAGGCAGCTGGAACAGATAGACAGTGTGTGACATTTGCTGCACGAGGA  
 GGACCATACACTAGGAACTGTCTGCGGTACATAATCATGAAGAACCCGGAAGTGAATTTGTGGTTAC  
 ACTACGACCCATCCTTCAGAGAGCAAAATTAATTTGCGAATTCAGACCCGGGTGCCCTTCAGCTGTTG  
 AGCCGTTTCAGAAAGCCTGAATGAGCTTTGAATGTCTGCCAGCATGTGCTTGTCAAGTTGAGGCCAG  
 CATAAAGGACTATAAAGCTAAAAAGCAAGCAAAAAGGAGCCACATTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG220555 representing NM\_009087  
 Red=Cloning site Green=Tags(s)

MEDDQELERKISGLKTSMAEGERKTALEMVQAAGTDRQCVTFLHEEDHTLGNCLRYIIMKNPEVEFCGY  
 TTHPSESKINLRIQTRGALPAVEPFQKGLNELLNVCQHVLVKFEASIKDYKAKKASKKEPTF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

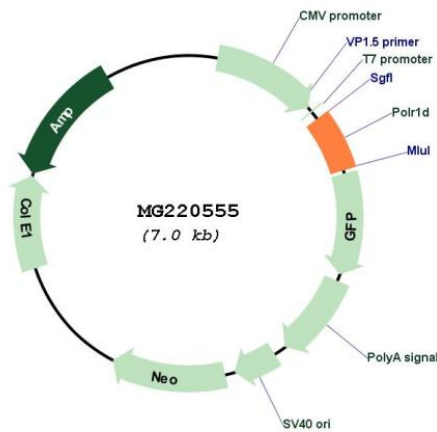


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_009087

ORF Size: 399 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](#)

<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_009087.2</a>
<b>RefSeq Size:</b>	699 bp
<b>RefSeq ORF:</b>	402 bp
<b>Locus ID:</b>	20018
<b>UniProt ID:</b>	<a href="#">P97304</a>
<b>Cytogenetics:</b>	5 G3
<b>Gene Summary:</b>	This gene encodes an RNA polymerase subunit that is a component of both the RNA polymerase I and RNA polymerase III complexes. RNA polymerase I is associated with transcription of pre-ribosomal RNAs, while RNA polymerase III is associated with transcription of small RNAs. Pseudogenes of this gene have been defined on chromosomes 4 and 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013]