

Product datasheet for **MG202455**

Polr3gl (NM_027241) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polr3gl (NM_027241) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Polr3gl
Synonyms:	2010003I19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202455 representing NM_027241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGCCGGGTGGGGCGGGGTCGTGGCCGGGGCCAGTTGACCTTCAACATGGAGGCTGTGGCA
 TTGGGAAGGGTGATGCTTTGCCCCACCCACTCTCCAGCCCTCTCCACTCTTCTCCTTGGAGTTCCA
 CCCAGTGCCTCTGCCGCGAGGAGGAGGGGGAGTATGTCCTGGCACTGAAGCAAGAGCTGCGCGGGGCC
 ATGAGGCAGTCCCCTACTTCATCCGGCCAGCCGTCCCAAGAGAGATGTGGAACGTTACTCAGACAAGT
 ATCAGATGTCTGGCCTATTGACAACGCCATCGATTGGAACCCTGATTGGCGGCGACTCCCCAGTGAGCT
 CAAGATTCGAGTGCAGAAAGTACAGAAGGAGCGGACCACCATTCCTTCCCAAGAGGCCCTTAAGAGC
 ACAGACGATAAGGAGGAGACGATACAGAACTAGAGACGCTAGAGAAGAAGGAGGAGGAAGTGACTTCGG
 AGGAGGATGAAGAGAAAGAAGAAGAGGAGGAGAAGGAAGAGGGGAGGAAGAGGAATACGATGAAGAGGA
 GCATGAGGAGGAACTGATTACATCATGTATTTTGACAATGGAGAGGACTTTGGAGGGGACAGCGAT
 GACAATATGGATGAGGCCCATATACTGAAAAACCTGGGCATAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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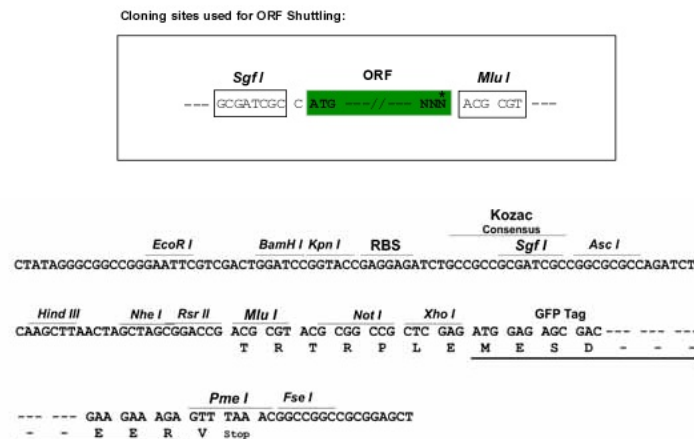
Protein Sequence: >MG202455 representing NM_027241
Red=Cloning site Green=Tags(s)

MASRGGGRGRGRGQLTFNMEAVGIGKGDALPPPTLQPSPLFPPLFHPVPLPAGEEGEYVLALKQELRGA
MRQLPYFIRPAVPKRDVERYSDKYQMSGPIDNAIDWNPWRRLPSELKIRVRKVQKERTTIILPKRPPKS
TDDKEETIQKLETLEKKEEEVTSEDEEKEEEEEKEEEEEYDEEEHEEETDYIMSYFDNGEDFGGDSD
DNMDEAHILKNLGID

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027241

ORF Size: 675 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027241.1](#), [NP_081517.1](#)

RefSeq Size: 1391 bp

RefSeq ORF: 657 bp

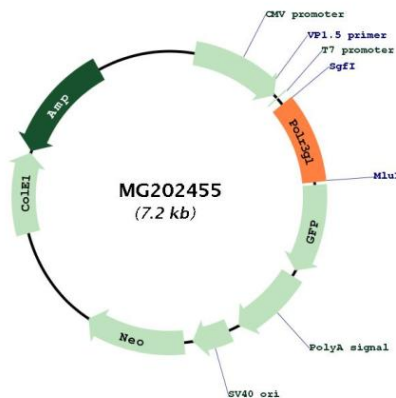
Locus ID: 69870

UniProt ID: [Q8R0C0](#)

Cytogenetics: 3 F2.1

Gene Summary: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202455