

Product datasheet for **MR202455**

Polr3gl (NM_027241) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polr3gl (NM_027241) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Polr3gl
Synonyms:	2010003I19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202455 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCCGGGTGGGGCCGGGTCGTGGCCGGGCGCAGTTGACCTTCAACATGGAGGCTGTGGCA
TTGGGAAGGGTGATGCTTTGCCCCACCCACTCTCCAGCCCTCTCCACTTTTCTCCCTTGAGTTCCA
CCCAGTGCCTCTGCCGGCAGGAGAGGGGGGAGTATGTCCTGGCACTGAAGCAAGAGCTGCGCGGGGCC
ATGAGGCAGCTCCCTACTTCATCCGGCCAGCCGTCCCAAGAGAGATGTGGAACGTTACTCAGACAAGT
ATCAGATGTCTGGCCTATTGACAACGCCATCGATTGGAACCTGATTGGCGGCGACTCCCAGTGAGCT
CAAGATTCGAGTGCAGAAAGTACAGAAGGAGCGGACCACCATTCCTTCCCAAGAGGCCCTAAGAGC
ACAGACGATAAGGAGGAGACGATACAGAACTAGAGACGCTAGAGAAGAAGGAGGAGGAAGTGACTTCGG
AGGAGGATGAAGAGAAAGAAGAAGAGGAGGAGAAGGAAGAGGGGGAGGAAGAGGAATACGATGAAGAGGA
GCATGAGGAGGAAACTGATTACATCATGTATTTTGAATGGAGAGGACTTTGGAGGGGACAGCGAT
GACAATATGGATGAGGCCATATACTGAAAACCTGGGCATAGAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202455 protein sequence
 Red=Cloning site Green=Tags(s)

MASRGGGRGRGRGQLTFNMEAVGIGKGDALPPPTLQPSPLFPPLEFHPVPLPAGEEGEYVLALKQELRGA
 MRQLPYFIRPAVPKRDVERYSDKYQMSGPIDNAIDWNPWRRLPSELKIRVRKVQKERTTIIILPKRPPKS
 TDDKEETIQKLETLEKKEEEVTSSEDEEKKEEEKEEGEEEEEYDEEEHEEETDYIMSYFDNGEDFGGDS
 DNMDEAHILKNLGDID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027241

ORF Size: 678 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.

RefSeq Size: 1427 bp

RefSeq ORF: 657 bp

Locus ID: 69870

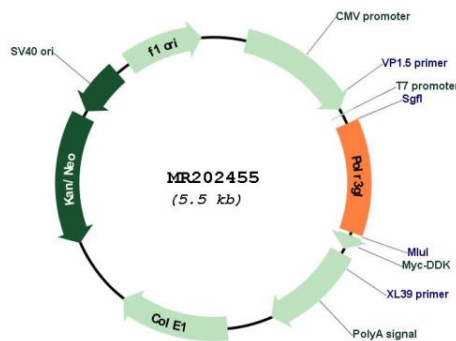
UniProt ID: [Q8R0C0](#)

Cytogenetics: 3 F2.1

MW: 25.9 kDa

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 MR202455