

Product datasheet for **RG200991**

POLR3GL (NM_032305) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR3GL (NM_032305) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	POLR3GL
Synonyms:	flj32422; RPC32HOM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200991 representing NM_032305 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCCGGGTGGGGCCGGGTCGTGGCCGGGCCAGTTGACCTTCAACGTGGAGGCCGTGGCA
TTGGAAAGGGGATGCTTTGCCCCACCCACCCTGCAGCCTTCTCCACTTCCCTCCCTTGAGTCCG
CCCAGTACCTTTGCCCTCAGGCGAGGAAGGGGAATATGTCCTGGCACTGAAGCAAGACTACGAGGACC
ATGAGGCAGCTCCCTACTTCATCCGGCCAGCTGTCCCAAGAGAGATGTGGAGCGTTATTCAGACAAAT
ATCAGATGTCAGGTCCGATTGACAATGCCATCGATTGGAACCTGATTGGCGGCGTCTACCCGGGAGCT
AAAGATCCGAGTGCAGGAACTACAGAAGGAACGGATTACAATTCTGCTCCCAAGAGGCCCCCTAAGACC
ACAGAAGATAAGGAGAAACAATACAGAACTAGAGACCCTGGAGAAGAAGGAAGAAGTAACCTCAG
AGGAGGATGAGGAGAAAGAAGAAGAAGAGAAGGAAGGAGGAGGAAGAAGAAGATATGATGAAGAAGA
ACATGAAGAGGAACTGATTACATCATATTTTGAATGGAGAGGACTTTGGTGGTGACAGTGAT
GACAATATGGACGAGGCTATATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200991 representing NM_032305
 Red=Cloning site Green=Tags(s)

MASRGGGRGRGRGQLTFNVEAVGIGKGDALPPPTLQPSPLFPPLEFRPVPLPSGEEGEYVLALKQELRGA
 MRQLPYFIRPAVPKRDRVERYSDKYQMSGPIDNAIDWNPDRRLPRELKIRVRKLQKERITILLPKRPPKT
 TEDKEETIQKLETLEKKEEEVTSEEDKEEEEEEEEEEEEEEEEEEEYDEEEHEEETDYIMSYFDNGEDFGGDSD
 DNMDEAIY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032305

ORF Size: 654 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: [NM_032305.3](#)

RefSeq Size: 1191 bp

RefSeq ORF: 657 bp

Locus ID: 84265

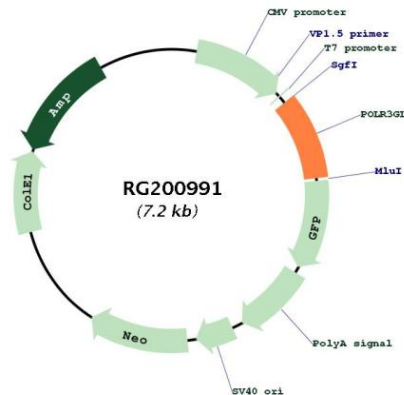
UniProt ID: [Q9BT43](#)

Cytogenetics: 1q21.1

Protein Pathways: Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

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 RG200991