

Product datasheet for **RG200649**

POLR2L (NM_021128) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLR2L (NM_021128) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: POLR2L
Synonyms: hRPB7.6; RBP10; RPABC5; RPB7.6; RPB10; RPB10beta
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200649 representing NM_021128
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCATCCCTGTACGCTGCTTCACTTGTGGCAAGATCGTCGGCAACAAGTGGGAGGCTTACCTGGGGC
 TGCTGCAGGCCGAGTACACCGAGGGGACGCGCTGGATGCCCTGGGCTGAAGCGCTACTGCTGCCGCCG
 GATGCTGCTGGCCACGTGGACCTGATCGAGAAGCTGCTCAATTATGCACCCCTGGAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200649 representing NM_021128
 Red=Cloning site Green=Tags(s)

MIIPVRCFTCGKIVGNKWEAYLGLLQAEYTEGDALDALGLKRYCCRRMLLAHVDLIEKLLNYAPLEK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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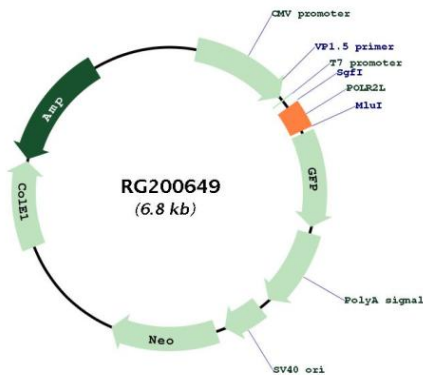
Cloning Scheme:



- ACCN:** NM_021128
- ORF Size:** 201 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_021128.3](#), [NP_066951.1](#)

RefSeq Size: 927 bp
RefSeq ORF: 204 bp
Locus ID: 5441
UniProt ID: [P62875](#)
Cytogenetics: 11p15.5
Domains: RNA_pol_N
Protein Families: Transcription Factors
Protein Pathways: Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
Gene Summary: This gene encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains four conserved cysteines characteristic of an atypical zinc-binding domain. Like its counterpart in yeast, this subunit may be shared by the other two DNA-directed RNA polymerases. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200649