

# **Product datasheet for RC227307L3**

### OriGene Technologies, Inc.

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## POLR1B (NM\_001137604) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** POLR1B (NM\_001137604) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: POLR1B

Synonyms: A135; RPA2; RPA135; Rpo1-2; TCS4

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC227307).

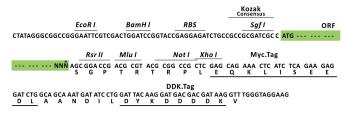
Sequence:

The one insert of this cione is exactly the same as(No2275

**Restriction Sites:** Sgfl-Rsrll

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_001137604

ORF Size: 3237 bp





#### POLR1B (NM\_001137604) Human Tagged Lenti ORF Clone - RC227307L3

**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: <u>NM 001137604.1</u>

 RefSeq ORF:
 3240 bp

 Locus ID:
 84172

 UniProt ID:
 Q9H9Y6

 Cytogenetics:
 2q14.1

**Protein Families:** Transcription Factors

**Protein Pathways:** Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

**MW:** 121.8 kDa

Gene Summary: Eukaryotic RNA polymerase I (pol I) is responsible for the transcription of ribosomal RNA

(rRNA) genes and production of rRNA, the primary component of ribosomes. Pol I is a multisubunit enzyme composed of 6 to 14 polypeptides, depending on the species. Most of the mass of the pol I complex derives from the 2 largest subunits, Rpa1 and Rpa2 in yeast. POLR1B is homologous to Rpa2 (Seither and Grummt, 1996 [PubMed 8921381]).[supplied by

OMIM, Mar 2008]