

Product datasheet for RC201466L3

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OriGene Technologies, Inc.

POLR1D (NM_015972) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: POLR1D (NM_015972) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: POLR1D

Synonyms: AC19; POLR1C; RPA9; RPA16; RPAC2; RPC16; RPO1-3; TCS2

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(RC201466).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_015972

ORF Size: 399 bp





POLR1D (NM_015972) Human Tagged Lenti ORF Clone - RC201466L3

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 015972.1</u>

RefSeq Size: 817 bp
RefSeq ORF: 402 bp
Locus ID: 51082
UniProt ID: PODPB6
Cytogenetics: 13q12.2

Domains: RNA_pol_L

Protein Families: Stem cell - Pluripotency, Transcription Factors

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

metabolism, RNA polymerase

MW: 15.2 kDa

Gene Summary: The protein encoded by this gene is a component of the RNA polymerase I and RNA

polymerase III complexes, which function in the synthesis of ribosomal RNA precursors and small RNAs, respectively. Mutations in this gene are a cause of Treacher Collins syndrome (TCS), a craniofacial development disorder. Alternative splicing results in multiple transcript

variants. [provided by RefSeq, Apr 2011]