

## Product datasheet for **SC329817**

### **POLR1D (NM\_001206559) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** POLR1D (NM\_001206559) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** POLR1D  
**Synonyms:** AC19; POLR1C; RPA9; RPA16; RPAC2; RPC16; RPO1-3; TCS2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329817 representing NM\_001206559.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

```
ATGGGACCCATGGGTTGGATGAAGTGCCTCTTGCTAGCACCAATAAAAGATTTCTAATTAACAATT  
AAAAACACATTGCCCTCTCATAAAGAGCAAGACCATGAACAAAAAGAGGGCGATAAGGAACCAGCGAAG  
AGCCAGGCCAGAAAGAAGAAAACCCGAAGAAACACAGAAGCCATCCTTACAAGCACAGCTTCCGCGCT  
CGAGGTTCCGCCAGTTACTCCCCGCCACGAAAGCGGAGCAGCCAGGACAAGTACGAAAAGCGGTCCAAC  
CGGCGGTGA
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001206559  
**Insert Size:** 285 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**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\\_001206559.1](#)



[View online >](#)

RefSeq Size:	2210 bp
RefSeq ORF:	285 bp
Locus ID:	51082
UniProt ID:	<a href="#">P0DPB5</a>
Cytogenetics:	13q12.2
Protein Families:	Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
MW:	11 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in both UTRs and in the coding region, compared to variant 1. The encoded isoform (3) shares identity with isoform 2 but is distinct and shorter, compared to isoform 1.</p>