

## Product datasheet for **RC201466L1V**

### **POLR1D (NM\_015972) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | POLR1D (NM_015972) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | POLR1D   |
| Synonyms:                 | AC19; POLR1C; RPA9; RPA16; RPAC2; RPC16; RPO1-3; TCS2  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_015972  |
| ORF Size:                 | 399 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC201466).   |
| 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. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_015972.1</a>  |
| RefSeq Size:              | 817 bp   |
| RefSeq ORF:               | 402 bp   |
| Locus ID:                 | 51082  |
| UniProt ID:               | <a href="#">P0DPB6</a>   |
| Cytogenetics:             | 13q12.2  |
| Domains:                  | RNA_pol_L  |
| Protein Families:         | Stem cell - Pluripotency, Transcription Factors  |



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**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]