

Product datasheet for **SC322230**

POLR1D (NM_015972) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLR1D (NM_015972) Human Untagged Clone
Tag: Tag Free
Symbol: POLR1D
Synonyms: AC19; POLR1C; RPA9; RPA16; RPAC2; RPC16; RPO1-3; TCS2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322230
GCCTTCGGTCGGTCGGTCTTCTGCTTCGCTCCGCGCCTCGCGCTATGGGACAG
AGCCCCGATCCGCCAGCACCACCTGAGGATCCAGAAACCGCCCCAGCGATGGAAGAGGA
TCAGGAGCTGGAGAGAAAATATCTGGATTGAAGACCTCAATGGCTGAAGGCGAGAGGAA
GACAGCCCTGGAAATGGTCCAGGCGACTGGAACAGATAGACACTGTGTGACATTTGTATT
GCACGAGGAAGACCATACCCTAGGAAATCTCTACGTTACATGATCATGAAGAACCCGGA
AGTGGAAATTTGTGGTTACTACTACGACCCATCCTTCAGAGAGCAAAATTAATTTACGCAT
TCAGACTCGAGGTACCCTTCCAGCTGTTGAGCCATTTTCAGAGAGGCCTGAATGAGCTCAT
GAATGTCTGCCAACATGTGCTTGACAAGTTTGAGGCCAGCATAAAGGACTATAAGGATCA
AAAAGCAAGCAGAAATGAATCCACATTCTAGTCCTTTATGCAGTATAACAAGGAACTGT
CCTGTAGGATATTCTTCTCCTGATGGTGCAGAACCAGAAATTAGAAGTTTGTGGTTACAG
CATACTCTGCTCCTCAGAAAGGCGTGATTCTAGCTGTTGACCCCTTCAGCTGTTGGAAT
CTCTGCAAGAACCTCTGTATTCTTAATAAATTCCTCTTTTATTTAACTAAAAA
AAAAA

Restriction Sites: Please inquire

ACCN: NM_015972

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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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:	<ol style="list-style-type: none">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> , <u>NP_057056.1</u>
RefSeq Size:	726 bp
RefSeq ORF:	402 bp
Locus ID:	51082
UniProt ID:	<u>P0DPB6</u>
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
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 (1) represents the shortest transcript but encodes the longest isoform (1).</p>