

Product datasheet for **SC318660**

POLR1A (NM_015425) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR1A (NM_015425) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR1A
Synonyms:	A190; AFDCIN; RPA1; RPA190; RPA194; RPO1-4; RPO14
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015425, the custom clone sequence may differ by one or more nucleotides

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ATGTTGATCTCCAAGAACATGCCCTGGCGGCGGCTGCAGGGCATTTCCTTCGGGATGTAT
TCGGCTGAAGAGCTCAAGAAATTAAGTGTAAATCCATTACGAACCCTCGATACCTGGAC
AGCCTGGGAACCCATCGGCAAACGGCCTGTACGATTTAGCTTTGGGCCCTGCAGATTCC
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AACTGCAAGGCCTATAATGCCGACTTTGATGGAGACGAGATGAATGCCCATTTCCCCAG
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CTGAAGCAAGCCACCATGCTGGGATCCCACGATGAGCTGAGGTCTCCTTCTGCCTGCCTT
GTGGTCGGAAGGTCGTGACGGGGCGGGACAGGCCTGTTTCGAGCTCAAGCAGCCTCTGAGA
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Restriction Sites:	Please inquire
ACCN:	NM_015425
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.
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:	NM_015425.3 , NP_056240.2
RefSeq Size:	6637 bp
RefSeq ORF:	5163 bp
Locus ID:	25885
UniProt ID:	O95602
Cytogenetics:	2p11.2
Domains:	RNA_pol_Rpb1_2, RPOLA_N, RNA_pol_Rpb1_3, RNA_pol_Rpb1_1, RNA_pol_Rpb1_5, RNA_pol_Rpb1_4
Protein Families:	Transcription Factors
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
Gene Summary:	The protein encoded by this gene is the largest subunit of the RNA polymerase I complex. The encoded protein represents the catalytic subunit of the complex, which transcribes DNA into ribosomal RNA precursors. Defects in this gene are a cause of the Cincinnati type of acrofacial dysostosis. [provided by RefSeq, May 2016]