

Product datasheet for **SC310522**

POLR1C (NM_004875) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR1C (NM_004875) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR1C
Synonyms:	RP3-337H4.4; RPA5; RPA39; RPA40; RPAC1; TCS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310522 representing NM_004875. Blue=Insert sequence Red=Cloning site Green=Tag(s)

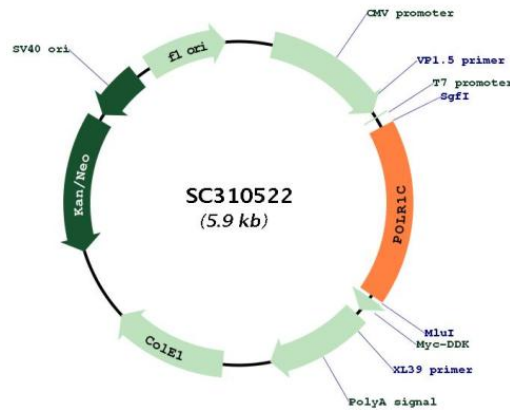
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GTCCATACTACTGACTTTCCCGGTAACATTCGGTTATGATGATGCCTGGGACCAGGACCGCTTCGAG
AAGAATTTCCGTGTGGATGTAGTACACATGGATGAAAACACTGAGTTTACATGGTGGGAATTGAC
GCAGCCATTGCCAATGCTTTTCGACGAATTCTGCTAGCTGAGGTGCCAATATGGCTGTGGAGAAGGTC
CTGGTGTACAATAATACATCCATTGTTCCAGGATGAGATTCTGCTCACCGTCTGGGGCTCATTCCCATT
CATGCTGATCCCGTCTTTTTGAGTATCGGAACCAAGGAGATGAAGAAGGCACAGAGATAGATACTCTA
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GCCCGGTTTCGAGATCATTATCTGTAAGAAAGATTTGCTGGCTGCGGTGGCTCACACCTGTAATCCC
AGCACTTTGGGAGGCCAAGGCCGAGTGGATCACGGGGTCAAGAGAGCGAGACCATCTGGCTAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_004875

Insert Size: 1029 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).

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:

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_004875.2](#)

RefSeq Size: 1138 bp

RefSeq ORF: 1029 bp

Locus ID: 9533

Cytogenetics:	6p21.1
Domains:	RNA_pol_A_bac
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
MW:	38.6 kDa
Gene Summary:	The protein encoded by this gene is a subunit of both RNA polymerase I and RNA polymerase III complexes. The encoded protein is part of the Pol core element. Mutations in this gene have been associated with Treacher Collins syndrome (TCS) and hypomyelinating leukodystrophy 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]