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Product datasheet for SC110420

POLR1H (NM_014596) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR1H (NM_014596) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR1H
Synonyms:	A12.2; HTEX-6; HTEX6; hZR14; Rpa12; tctex-6; TCTEX6; TEX6; ZNRD1; ZR14
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014596 edited ATGTCTGTCATGGACCTCGCCAATACTTGCTCCAGCTTTCAGTCGGACCTGGATTTCTGT TCAGATTGCGGCTCGGTCCTGCCTCTGCCCGGGGCTCAGGATACGGTCACCTGTATTCGC TGTGGCTTCAACATCAACGTTCGGGACTTTGAGGGGAAGGTTGTGAAGACTTCGGTTGTG TTCCACCAACTGGGGACAGCCATGCCTATGTCGGTGGAGGAAGGGCCTGAGTGCCAGGGA CCTGTGGTTGACAGGCGCTGCCCTCGATGTGGTCATGAAGGAATGGCATACCACACCAGA CAGATGCGTTCAGCCGATGAAGGGCAAACTGTCTTCTACACCTGTACCAACTGCAAGTTC CAGGAGAAGGAAGACTCTTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014596 unedited CACGAGGGGAATTCCGGGCGTTTCGGCTCCTTGGTCGCAGAGACCCGACCGCATGTCTGT CATGGACCTCGCCAATACTTGCTCCAGCTTTCAGTCGGACCTGGATTTCTGTTCAGATTG CGGCTCGGTCCTGCCTCTGCCCGGGGCTCAGGATACGGTCACCTGTATTCGCTGTGGCTT CAACATCAACGTTCGGGACTTTGAGGGGAAGGTTGTGAAGACTTCGGTTGTGTTCCACCA ACTGGGGACAGCCATGCCTATGTCGGTGGAGGAAGGGCCTGAGTGCCAGGGACCTGTGGT TGACAGGCGCTGCCCTCGATGTGGTCATGAAGGAATGGCATACCACACCAGACAGATGCG TTCAGCCGATGAAGGGCAAACTGTCTTCTACACCTGTACCAACTGCAAGTTCCAGGAGAA GGAAGACTCTTGACCTTTTTCCTGGGCAACTCTACAGTCCCTCCCTCCTTTCGGAAGGTG AAGGATACTGGGTTTTTAGATGCCTTGTCCATCCTGTCTGGTTGCAATGTTTTGCTCCCA GAAGAGAATCAGATCATCATGTGGGGATTACCATTGTTCCTGGAGTACTCCTACCCTTAG TTGAATTTCCTTATTAAAGTTATATTTTTCTATAAGACCCTGAAAAAAAAAAAAAAAAAC TCGA

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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_014596 unedited
TTACCGCGGCCGCATCTATAGTCGGTTTTTTTTTTTTTTTTTACAGGGTCTTATAGAAA
AAATATAACTCTTAATAAGGGAAATTCAACTAAGGGTAGGAGTACTCCAGGAACAATGGT
AATCCCCACATGATGATCTGATTCTCTTCTGGGAGCAAAACATTGCAACCAGACAGGATG
GACAAGGCATCTAAAAACCCAGTATCCTTCACCTTCCGAAAGGAGGGAGGGACTGTAGAG
TTGCCCAGGAAAAAGGTCAAGAGTCTTCCTTCTCCTGGAACTTGCAGTTGGTACAGGTGT
AAAAGACAGTTTGCCCTTCATCGGCTGAACGCATCTGTCTGGTGTGGTATGCCATTCCTT
CATGACCACATCGAGGGCAGCGCCTGTCAACCACAGGTCCCTGGCACTCAGGCCCTTCCT
CCACCGACATAGGCATGGCTGTCCCCAGTTGGTGGAACACAACCGAAGTCTTCACAACCT
TCCCCTCAAAGTCCCGAACGTTGATGTTGAAGCCACAGCGAATACAGGTGACCGTATCCT
GAGCCCCGGGCATAGGCAGGACCGATCCGCATTCTGAACAGAATTCCAGGCCCGACTGAA
AGCTGGAGCAAGTATTGGCGAAGTCCATGACAGACATGCGGTCGGGTCTCTGCGACCAAT
GAGCCCGATCGCCCGTATTTCCCTCGTGCCGAATTCGCGCCCGCCCTAATAGAGTCGTAT
TACAAAATTTGAGGTTCACTAACGAGCTCTGCTATTTAGACCTCCCACCGAACCGCTACC
GCCATTTGGTTAACGGGGCGGGGTATTACACATCTGAAAGCCCCGTTGATTTGTGCCAAA
CAACTCCTTGTCGTAATGGGGGGAACTTGAAATCCCGGAGTAAACCGTTTCCCCCATGGG
TTCTGCAAACCGTACCTGTAATGCGACACTTCCTTAATCCTGCCATAGAATCCGAAGCCA
TTCGGCTAATCCGGGCCT
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Restriction Sites: NotI-NotI

ACCN: NM_014596

Insert Size: 600 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_014596.4, NP_055411.1

RefSeq Size: 751 bp

RefSeq ORF: 381 bp

Locus ID: 30834

UniProt ID: Q9P1U0

Cytogenetics: 6p22.1

Domains: TFIIS

Protein Families:	Transcription Factors
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
Gene Summary:	This gene encodes a DNA-directed RNA polymerase I subunit. The encoded protein contains two potential zinc-binding motifs and may play a role in regulation of cell proliferation. The encoded protein may be involved in cancer and human immunodeficiency virus progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013] Transcript Variant: This variant (b) differs in the 5' UTR, compared to variant a. Variants a, b, c, and d encode the same protein.