

Product datasheet for **SC124534**

POLR1H (NM_170783) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR1H (NM_170783) 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:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124534 sequence for NM_170783 edited (data generated by NextGen Sequencing) ATGTCTGTCATGGACCTCGCCAATACTTGCTCCAGCTTTCAGTCGGACCTGGATTTCTGT TCAGATTGCGGCTCGGTCTGCCTCTGCCGGGGCTCAGGATACGGTCACCTGTATTTCGC TGTGGCTTCAACATCAACGTTTCGGGACTTTGAGGGGAAGTTGTGAAGACTTCGGTTGTG TTCCACCAACTGGGGACAGCCATGCCTATGTCGGTGGAGGAAGGGCTGAGTGCCAGGGA CCTGTGGTTGACAGGCGCTGCCCTCGATGTGGTCATGAAGGAATGGCATAACCACACCAGA CAGATGCGTTTCAGCCGATGAAGGGCAAACCTGTCTTCTACACCTGTACCAACTGCAAGTTC CAGGAGAAGGAAGACTCTTGA

Clone variation with respect to NM_170783.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_170783 unedited NNGGGGCGGTCATCAATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACCAGG GGAAATTCGGGGCGTTTCGGCTCCTTGGTCGCAGAGGCAGGAGGCACCCGACCGCATGTC TGTCATGGACCTCGCAAATACTTGCTCCAGCTTTCAGTCGGACCTGGATTCTGTTCAGA TTGCGGCTCGGTCCTGCCTCTGCCGGGGCTCAGGATACGGTCACCTGTATTGCTGTGG CTTCAACATCAACGTTTCGGGACTTTGAGGGGAAGGTTGTGAAGACTTCGGTTGTGTTCCA CCAACTGGGGACAGCCATGCCTATGTCGGTGGAGGAAGGCCTGAGTGCCAGGGACCTGT GGTTGACAGGCGCTGCCCTCGATGTGGTCATGAAGGAATGGCATACCACACCAGACAGAT GCGTTCAGCCGATGAAGGGCAAAGTCTTCTACACCTGTACCAACTGCAAGTTCAGGA GAAGGAAGACTCTTGACCTTTTTCTGGGCAACTCTACAGTCCCTCCCTCTTCGGAAG GTGAAGGATACTGNGTTTTAGATGCCTTGCCATCCTGTCTGGTTGCAATGTTTTGCTC CCAGAGAGAATCAGATCATCATGTGGGGATTACCATTGTTCTGGAGTACTCCTACCCTT AGNTGATTTCCCTTATTAAGTATTATTTTTCTATAAAAAAAAAAAAAAAAAAAAAAACT CACTCTAAATTGCCGCCGGGGGCATAACTGTTTTCTGAAACAGATCCCGGTGGGCATCCC TGTGAACCCTCCCAAGCCCTTCTGGGCTGGGAATTGGCCCTCCAGGCCCCACCACC TTGGCCCTAAAAAATTAATCGCTCCATTTGGTGGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_170783
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:	<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_170783.1</u> , <u>NP_740753.1</u>
RefSeq Size:	867 bp
RefSeq ORF:	381 bp
Locus ID:	30834
UniProt ID:	<u>Q9P1U0</u>
Cytogenetics:	6p22.1
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 (a) represents the longest transcript. Variants a, b, c, and d encode the same protein.