

## Product datasheet for SC115726

### POLR3A (NM\_007055) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	POLR3A (NM_007055) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR3A
Synonyms:	ADDH; C160; HLD7; hRPC155; RPC1; RPC155; WDRTS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115726 sequence for NM_007055 edited (data generated by NextGen Sequencing)

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ATGGTGAAGGAGCAGTTCGGGAGACGGATGTGGCCAAGAAAATAAGCCACATCTGTTTT
GGAATGAAGTACCTGAGGAGATGCGCCAGCAGGCGCACATCCAAGTTGTGAGTAAGAAC
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 TTTGAGAAGACGGCTGACCATCTCTTTGACGCTGCCTACTTGGGGCAGAAGGACTCTGTG  
 TGTGGGTGTCTGAGTGCATCATGGAATCCCAATGAACATTGGAACCGGGCTTTC  
 AAGCTGCTTACAAGGCTGACAGGGACCCGAACCTCCCAAGAGGCCCTGATCTTCGAC  
 ACAAATGAATCCACATCCCCCTTGTACATAG

Clone variation with respect to NM\_007055.3

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_007055 unedited  
 TCCTATAGGGCGGCCGGAATTCGCACGAGGCCAGGAGGTGCTGGGGGCATCGTTTCTCT  
 AATCTGGCCTCCCAGTGCACAAGGAGGCGTCCCGCAGCGGTATCATGGTGAAGGAGCA  
 GTTCCGGGAGACGGATGTGGCCAAGAAAATAAGCCACATCTGTTTTGGAATGAAGTCACC  
 TGAGGAGATGCCCCAGCAGGCGCACATCCAAGTTGTGAGTAAGAACCTGTACAGCCAGGA  
 CAACCAACATGCCCCCTTGCTATATGGGGTCTCGACCATAGGATGGGTACGAGTGAGAA  
 GGATCGTCCATGTGAAACCTGTGGGAAAAAATTGGCTGACTGTCTAGGCCACTATGGGTA  
 TATCGACCTGGAGTTGCCGTGTTTTCATGTAGGGTACTTCAGAGCAGTCATAGGCATCTT  
 ACAGATGATCTGCAAAACCTGCTGCCACATCATGCTGTCCCAAGAGGAGAAGAAGCAGTT  
 TCTGGACTATCTAAAGAGGCCCGCCTGACCTACCTTCAGAAGCGAGGACTGAAAAAGAA  
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 GGTGGATCCCATTGTATCAAATTCCTTCAGTCTTTTGAACAGCCATTGAACATAATAA  
 AGAAGTGGAGCCTCTGCTGGGAAGGGCACAGGAAAAACTTGATCCCTTAGTAGTTCTGAA  
 TTTATTTAAACGAATCCCAGCTGAAAGATGCCTCTACTTCTGATGAACCCAGAGCCGNA  
 AAGCCGCTGATTGATTCTCACACGACTTTTNTGGCTNCCTTGTGTATAGACCT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_007055 unedited  
 GCGGTAAGATAAACTTNCATCAAAAAACCANCTATCCCCATTGCAGCAGGCCCAACT  
 CCGTGAGGCTTCCATAGGCCATGAAAAGGTTTGGCTCTTGTCACAGGGTAGAGCCCAT  
 GATAGGGTCTGAGGTAGATGAAAAACAAGGGTAGCCAGGGGCATCTATAGAAGATGTT  
 ACAGAGCTGCCTGGGCTCATGACAGTTGCACCTCAGTTACAAATCCCAGACGGCTCTAT  
 TTGCTTAAACCAGTTTTTCCAGTGACGCTTACATGCTGACTTTCTTGGTTTCTATAGATG  
 CTTGGTTTCAAAAATAAACTAAAATAACAAAAATTCAAATCCCTCAAATGGAACAAAT  
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 ACCTGGCTGGGCTTTAAGTCCAGGGAAGCAGTGTGTGCACGAGCTGTGGGCGCTATA  
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 TCAGGGTCACTGGTGTGAGCTGCACCCTATCAGAGGAGAAGCTGCTCCTGGGGATGCCAA  
 GAGGGCTTCTCTGATTGCTGGCATANGTGGGGACCTCAGGACCCCGTTCCAGGAGCAC  
 AAAACTCTTTATACATCAGCTGGAGACCGACAGGAGTCAAGGTCAGGCATGGTCCCCT  
 CTTTCTTTGGACTATGTGACAGGGNGGATGTGGAATTCATTTGTGTCGAGATCAGGGGC  
 CTCTGGGAGGGTCGGNTCCCTGTGAGCCTTGGAAGCACCTGGAGAGCCCGGTCTCATGT  
 TCATTGGATTCCATGAGATGCACTCAGCACCCACACACAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_007055

**Insert Size:**

5270 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007055.2</a> , <a href="#">NP_008986.2</a>
<b>RefSeq Size:</b>	5618 bp
<b>RefSeq ORF:</b>	4173 bp
<b>Locus ID:</b>	11128
<b>UniProt ID:</b>	<a href="#">O14802</a>
<b>Cytogenetics:</b>	10q22.3
<b>Domains:</b>	RNA_pol_Rpb1_2, RPOLA_N, RNA_pol_Rpb1_3, RNA_pol_Rpb1_1, RNA_pol_Rpb1_5, RNA_pol_Rpb1_4
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
<b>Gene Summary:</b>	The protein encoded by this gene is the catalytic component of RNA polymerase III, which synthesizes small RNAs. The encoded protein also acts as a sensor to detect foreign DNA and trigger an innate immune response. [provided by RefSeq, Aug 2011]