

Product datasheet for **SC102915**

POLR3A (AK024744) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR3A (AK024744) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR3A
Synonyms:	ADDH; HLD7; hRPC155; RPC1; RPC155
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK024744, the custom clone sequence may differ by one or more nucleotides

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AATCCTTTACACCATGGTGAACCACGGCATGAGCATCGACAGGAGGCACGTGATGCTGCTCTCCGACCTC
ATGACCTACAAGGGTGAAGTCCCTGGGCATCACTAGGTTTGGCCTGGCCAAGATGAAGGAGAGTGTGCTGA
TGCTGGCCTCCTTTGAGAAGACGGCTGACCATCTCTTTGACGCTGCCTACTTCGGGCAGAAGGACTCTGT
GTGTGGGGTGTCTGAGTGCATCATCATGGGAATCCCAATGAACATTGGAACCGGGCTCTTCAAGCTGCTT
CACAAGGCTGACAGGGACCCGAACCTCCCAAGAGGCCCTGATCTTCGACACAAATGAATTCCACATCC
CCCTTGTACATAGTCCAAAGAAAGAGGGGACCATGCCTGACCTTGACTCCTTGTCTGTCTCCAGCTGA
TGTATAAAGAGTTTTGTCTCCCTGGGACGGGGTCTGAGGTCCCACCTATGCCAGCAATCAGAGAAG
CCCTCTTGGCATCCCAGGAGCAGCTTCTCCTCTGATAGGGTGCAGCTCACACCAGTGACCCTGACTGTG
CCACGCTGCTCGGGAGAGCTGAGGGTTTTATTGTTTGTCTGCTTGAACCTAATCTATAGACGGCCCCAC
AGCTCGTGACACACTGCTTCCCTGGACTTAAAGCCCAGCCAGGTGTATGGTCCATCCCAGCTCACTGC
ATACATCCATCGGCTCCCATGGTGTCTTACACCTGACGATGAGCCAGGCTGAGCCCCACACAGGCCA
GGGCACATTCTTGGATTTCCATTCCCTGGTCTGCTGGAATCTCTCAATGTGACATACTTATGTAATA
TTGTTACTATTATTTATTTGTTCCATTTGAGGGATTTGGAATTTTGTATTTTATTTTTGAAA
CCAAGCATCTATAGAAACCAAGAAAGTCAAGCATGTAAGCGTCACTGGAAAACTGGTTTAAAGCAATAGA
GCCGTCTGGGATTTGTAAGTGAAGTGCATGAGGCCAGGCAGCTCTGTAACATCTTCTATAGA
TGCCCCGGCTACCCTGTTGTTTTCATCTACCTCAGACCCTATCATGGGGCTCTACCCTGTGACAAGAG
CCAAACCCATTCTCCATGGCCTATGGAAGCCTCACTGGAGTTTGGGGCTGCTGCAATGGGGATGAGATG
GTTTTTGTAGAATTACTTACGTTCTTGGATGATCTCTAGTTGATTTTTTAAAGTTCTGAGTTGATGC
TGTTAAGGTACCCGGGGTAGCCATTGGTCTTGGATCTGTGTTAGAATGAGTGCTTCCCTCCTACTGA
TGTGATTGTGGATTAGGAATTCGTGACCGAGTGATTTTTGGCCAGTGGTTGGGTTTTAAATTTCTATAAA
ATTTGTAGTTTGGGCTGGGTGCTGTGGCTCATACTATAATCCCAGCACTTTGGGAGGCCGAGGGGGCA
GATCACTTGAGCCAGGAGTTCGAGAGCAGCCTGGGCAACATGACGAAACCCGCTCTACAGAGAATAC
AAAAATTAGCCAGGCATGGTGGCCCATGCCTGTAGTACCTGCTATTGGTAAGGCTGAGGTGGAAGTTCA
CTTGAGCCTGGGAGGTGGAGTTGTAGTGAAGCAAGATCGTGCCACTACACTCCAGCCTGGGCAACAAG
CAAGACCTTGCTCAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK024744 unedited

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TTTTGTAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGGCAAGAGCTCCAT
GTACTACGTGCTGCAGTTCCTGAAAGAGGATCTCCCCAGGTGGTGGTGCAGGGCATTCCA
GAGGTGTCAGAGCTGTCATCCACATTGACGAGCAGAGTGAAAGGAGAAGTACAAGCTT
CTGGTGAAGGTGATAACCTGCGGGCAGTCAATGGCCACACACGGTGTGAAGGGCACCCGA
ACCACCTCCAATAACACCTATGAGGTGGAGAAAACCTTGGGCATCGAGGCCGCCGAGACA
ACGATCATCAATGAAATCCAGTACACCATGGTGAACCACGGCATGAGCATCGACAGGAGG
CACGTGATGCTGCTCTCCGACCTCATGACCTACAAGGGTGAAGTCTGGGCATCACTAGG
TTTGGCCTGGCCAAGATGAAGGAGAGTGTGCTGATGCTGGCCTCCTTTGAGAAGACGGCT
GACCATCTCTTTGACGCTGCCTACTTCGGGCAGAAGGACTCTGTGTGTTGGGGTGTCTGAG
TGCATCATCATGGGAATCCCAATGAACATTGGAACCGGGCTCTTCAAGCTGCTTACAAG
GCTGACAGGGACCCGAACCCCTCCAAGAGCCCCTGATCTTCGACACANATGAATCCACAT
CCCCCTTGTACATAGTCCAAAGAAAGAGGGACCATGCCTGACCTTGACTNCTTGTCTGT
TCTCCAGCTGATGATAAAAGATTTTTGTCTCCCTGGGACGGGGGTCTGAAGGTCC
CCACCTATGCCACCCATCAAAGAAGCCCTTCTTGGGAATCCCCAGAAGCAGTCTCTTCC
TCTGGATAGTTGCAAGCTCACACCATGACCTTGACTGGCCCCCTGCTCGGAAACCTG
AGGGTTTTATATGGTGTCTGCTTGAACCCTAT
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3' Read Nucleotide Sequence:	>OriGene 3' read for AK024744 unedited GGTCATATTTATGNACCGCGGCACGCAATTTAGNGATCGAGTTTTTTTTTTTTTTTTTTTGG AGACAAGGTCTTGCTTTGTTGCCAGGCTGGGGGGAGTGGCAGCATCTTGGCTCACTAC AACCTACACCTCCCAGGCTCAAGTGAACCTCCACCTCAGCCTTACCAATAGCAGGTA ACAGGCATGGGCCACCATGCCTGGCTAATTTTTGTATTCTCTGTATATACGGGGTTTCGT CATGTTGCCAGGGGGTCTCGAACTCCTGGGCTCAAGTATCTGCCCCCTCGGCCTCC CAAAGTGTGGGATTATAGGTATGAGCCACAGCACCCAGCCCAAACACTACAAATTTAATA GAATTTTAAACCAACCACTGGCCAAAAATCACTCGGTACGAATTCCTAATCCACAATC ACATCAGTAGGAAGGAAAGCACTCATTCTAACACAGATCCAAGAACCAATGGCTACCCC GGGTACCTTAACAGCATCAACTCAGAACTTAAAAAATCACTAGAGATCATCCAAGGAAC GTAAGTATAATTCTACAAAAACCATCTCATCCCCATTGCAGCAGGCCCAAACCTCCAGT GAGGCTTCCATAGCCATGGAGAATGGGTTTGGCTCTTGTACAGGGTAGAGCCCATGA TAGGGGTCTGAGGTAGATGAAAACAACAGGGTAGCCAGGGGCATCTATAGAAGATGTTAC AGAGCTGCCTGGCCTCATGACAGTTGCACCTCAGTTACAAATCCAGACGGCTCTATTT GCTTAAACCAGTTTTTCCAGTGACGCTAACATGCTGACTTNTCTGGGTTCTATAGATGCT TGGTTTAAAAATAAACTAAAATAACCAAAATTTCCAATCCCTCAAATGGGACAAATTAAT TATAGTTACCATT
Restriction Sites:	NotI-NotI
ACCN:	AK024744
Insert Size:	2100 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:	<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:	AK024744.1
RefSeq Size:	1715 bp
RefSeq ORF:	1715 bp
Locus ID:	11128
Cytogenetics:	10q22.3
Protein Families:	Transcription Factors
Protein Pathways:	Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

Gene Summary:

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]