

Product datasheet for **SC111990**

RPAP2 (NM_024813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPAP2 (NM_024813) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPAP2
Synonyms:	C1orf82; Rtr1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111990 sequence for NM_024813 edited (data generated by NextGen Sequencing)

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ATGGCGGACTTCGCTGGGCCGTCTTCTGCCGGCCGCAAGGCCGGGGCTCCCCGCTGCTCT
CGAAAAGCCGCAGGTAATAACAGACAAGTACTTTGAAACAAGAAGATGCTTCTAAAAGG
AAAGCTGAAGTGAAGCAGCTGTGAGAAAGAAGATTGAATTTGAGAGAAAAGCTCTACAT
ATTGTTGAACAGCTTTTAGAGGAGAATATTACAGAAGAGTTCCTAATGGAGTGTGGGAGG
TTCATTACACCTGCTCACTACAGTGATGTCGTGGATGAACGTTCTATTGTCAAACCTGTG
GGTTATCCTTTATGTCAGAAGAAGCTGGGAATTGTACAAAACAGAAATATAAAATTTCT
ACCAAAAACCAATAAAGTCTATGATATTACTGAAAGAAAAGTCTTTTTGCAGCAATTTTTGT
TATCAAGCATCTAAGTTTTTTGAAGCACAAATCCCAAACTCCAGTATGGGTTTCGAGAA
GAAGAGAGGCATCCTGATTTTCAACTGCTAAAGGAAGAACAAGTGGCCATTCTGGAGAA
GAAGTACAGTTATGCAGTAAAGCCATTAACATCAGATATCGACAATCCTAGCCACTTT
GAAAAGCAATATGAATCTAGTCTTCTAGCACTCACAGTGATAGTAGCAGTGACAATGAG
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AGGTCAGAAAATACTCTAGTAGGCATAAGTAAGAAAAGTGCAGAGCATTTTAAGAGAAAA
TTTGCCAAATCAAACCAAGTGTCTAGGTCAGTGTCTAGTTCAGTGCAGGTGTGCTCCTGAA
GTTGGAAGAGAAAACCTTAAAGTTTTGAAGGAGACTTTGATTGAGTGAAGACAGAA
GAAACATTGAGGTTTTGTATGGCCAGAATTATGCTTCTGTGTGTCTGAAACCCGAAGCC
TCTCTGGTTAAAGAAGAAGTGAAGATGACATAATCTCAGATCCAGATAGTCATTTTC
CCTGCCTGGAGGGAATCTCAGAACAGCTTGGATGAGTCTTTACCTTTTAGGGGCTCAGGT
ACAGCCATTAACCACTGCCAAGTTACGAGAATTTGAAAAAGAACTGAAAAGTTAAAT
CTGAGGATCAGGGAGTTTTACAGAGGACGGTATGTTTTGGGTGAAGAAACCACCAATCA
CAAGACTCAGAAGAGCATGATTCCACCTTTCCACTGATAGACTCAAGTCCCGAACCAG
ATTAGAAAACGCATCGTACTTGAAGTTGAGTAAAGTGTGCTGGGCTTCTGGTTCTCT
CTTCAGATTACATTGGGAGATTTTACACACAACCTAAAAATCTTGTTGCAACTTTCAGG
TTAACAAATAGAAATATTATACACAACCTGCGGAATGGACTTTAATTGCTATGGTGTG
CTGTCATTACTGACCCCAATTCTTGGCATTGAGAAACATTCTCAGGAAGGTATGGTGTG
ACACGGTTTCTAGACACCCTCCTTGAAGAATTACATCTAAAAAATGAAGACCTTGAAGT
CTAACCATCATATTTAGAACCAGCTGTTTACCAGAGTGA
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Clone variation with respect to NM_024813.2

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024813 unedited GTAATACGACTCACTATAGGGCCGCGCAATTCGGCACGAGGGACTACTCTCCCCTGG CGGACTTCGCTGGGCCGTCTTCTGCCGGCCGCAAGGCCGGGGCTCCCCGTGCTCTCGAA AAGCCGCAGGTAACAGACAAGTACTTTGAAACAAGAAGATGCTTCTAAAAGGAAAG CTGAACTAGAAGCAGCTGTGAGAAAAGATTGAATTTGAGAGAAAAGCTCTACATATTG TTGAACAGCTTTTAGAGGAGAATATTACAGAAGAGTTCCTAATGGAGTGTGGGAGGTTCA TTACACCTGCTCACTACAGTGATGTCGTGGATGAACGTTCTATTGTCAAACCTGTGGTT ATCCTTTATGTCAGAAGAAGCTGGGAATTGTACCAAAAACAGAAATATAAAATTTCTACCA AAACCAATAAAGTCTATGATATTACTGAAAGAAAGCTTTTTGCAGCAATTTTTGTTATC AAGCATCTAAGTTTTTTGAAGCACAAATCCCAAACTCCAGTATGGGTTGAGAGAAGAG AGAGGCATCCTGATTTTCAACTGCTAAAGGAAGAACAAGTGGCCATTCTGGAGAAGAAG TACAGTTATGCAGTAAAGCCATTAACATCAGATATCGACAATCCTAGCCACTTTGAAN AGCAATATGAATCTAGTCTTCTAGCACTCACAGTGATAGTAGCAGTGACAATGAGCAAG ACTTTGTTTCTCCATTCTACCAGAATACAGACCAATCCAACATATATTAGACCACAGC TGCACCANAAAAGCATATGAAAAAGAAGCTGGTACAAAGCTAACTCCAAACCCAAGACCA AGACAGACAGTNGTAGATGTCAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGT GAAGATGCTACATGTGAACCTTCTTTAACGAAAGTAATACTCAGAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024813 unedited TGTCGGAGGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTTTTTTCTTGAATTCATTCA AGTTTCATTTAACTTAAACATCTTTTTCGAAAAAATACTATGTCTTGTACTAGGGAT ACAAGACTTGGTTATTCTTGTGGAGTAATGATTCTCCTCTATCTGGGGAGGTCATCCT CTGCAGTTGGGGACTGAAGGACTGGGAGATGGGAGATTGAACTTAAAGAGGTAAAGGTA TGTCTTGAATAAACTAGTTATCAGTACCACCAGACCATCATGGCGGCTAGAATTCCA GAAACGGTGAATAGAAGTTCATCTTCTATTTTGTCTTCATGGAATATCACTCTGGTAA ACAGCTGGTTCTAAATATGATGGTTAGACTTTCAAGGTCTTCATTTTTTAGATGTAATTC TTCAAGGAGGGTGTCTAGAAACCGTGTAAACACCATACCTTCTGAGAATGTTTCTGAAT GCCAAGAATTGGGGTCAATGACAGCAACACCATAGCAATTAAGTCCATTCCGCAGG TTTGTATAATAATTTCTATTTGTTAACCTGAAAGTTCGAACAAGATTTTAAAGTTGTG GTAATATCTCCAATGTAATCTGAAGAGGAACCAAGCCAGGCAACACTTTACTCAA CTTTTCAAGTACGATGCGTTTTCTAATCTGTTCTGGGAACCTTGAGTCTATCAGTGGAAA GGTGGAATCATGCTTCTGAGTCTTGTGATTTGGTGGTTTTCTCACCAAAACATACCGT CCTCTGAAAACTCCCTGATCCTCAGATTTAACTTTCAGTTTCTTTTTTCAAATCTCGTA ACTGGCAGTGGTTAATGGCTGTACTGAGCCCTAAAGGTAAGACTCATCCAGCTNGTCTGA GATCCCTNCAGCAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_024813
Insert Size:	2240 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_024813.1](#), [NP_079089.1](#)

RefSeq Size: 3026 bp

RefSeq ORF: 1839 bp

Locus ID: 79871

UniProt ID: [Q8IXW5](#)

Cytogenetics: 1p22.1

Domains: DUF408

Gene Summary: Protein phosphatase that displays CTD phosphatase activity and regulates transcription of snRNA genes. Recognizes and binds phosphorylated 'Ser-7' of the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and mediates dephosphorylation of 'Ser-5' of the CTD, thereby promoting transcription of snRNA genes. [UniProtKB/Swiss-Prot Function]