

Isolation and characterization of temperature-sensitive encoding the largest subunit of RNA polymerase I from

Molecular and Cellular Biology

8, 3997-4008

DOI: 10.1128/mcb.8.10.3997

Citation Report

#	ARTICLE	IF	CITATIONS
1	Cloning and sequence determination of the gene encoding the largest subunit of the fission yeast <i>Schizosaccharomyces pombe</i> RNA polymerase I. <i>Gene</i> , 1988, 74, 503-515.	2.2	25
2	Conditional expression of RPA190, the gene encoding the largest subunit of yeast RNA polymerase I: effects of decreased rRNA synthesis on ribosomal protein synthesis.. <i>Molecular and Cellular Biology</i> , 1990, 10, 2049-2059.	2.3	50
3	Electron microscopic study of yeast RNA polymerase A: Analysis of single molecular images. <i>Chromosoma</i> , 1990, 99, 196-204.	2.2	7
4	The genetics of RNA polymerases in yeasts. <i>Current Genetics</i> , 1990, 17, 367-373.	1.7	17
5	[20] In vitro mutagenesis and plasmid shuffling: From cloned gene to mutant yeast. <i>Methods in Enzymology</i> , 1991, 194, 302-318.	1.0	585
6	Suppressor analysis of temperature-sensitive RNA polymerase I mutations in <i>Saccharomyces cerevisiae</i> : suppression of mutations in a zinc-binding motif by transposed mutant genes.. <i>Molecular and Cellular Biology</i> , 1991, 11, 746-753.	2.3	27
7	Suppressor analysis of temperature-sensitive mutations of the largest subunit of RNA polymerase I in <i>Saccharomyces cerevisiae</i> : a suppressor gene encodes the second-largest subunit of RNA polymerase I.. <i>Molecular and Cellular Biology</i> , 1991, 11, 754-764.	2.3	97
8	Analysis of yeast prp20 mutations and functional complementation by the human homologue RCC1, a protein involved in the control of chromosome condensation. <i>Molecular Genetics and Genomics</i> , 1991, 227, 417-423.	2.4	60
9	An approach for isolation of mutants defective in 35S ribosomal RNA synthesis in <i>Saccharomyces cerevisiae</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 7026-7030.	7.1	91
10	Synthesis of large rRNAs by RNA polymerase II in mutants of <i>Saccharomyces cerevisiae</i> defective in RNA polymerase I.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3962-3966.	7.1	176
11	Cloning and sequence determination of the <i>Schizosaccharomyces pombe</i> rpb1 gene encoding the largest subunit of RNA polymerase II. <i>Nucleic Acids Research</i> , 1991, 19, 461-468.	14.5	51
12	Cloning and characterization of SRP1, a suppressor of temperature-sensitive RNA polymerase I mutations, in <i>Saccharomyces cerevisiae</i> .. <i>Molecular and Cellular Biology</i> , 1992, 12, 5640-5651.	2.3	175
13	Effect of mutations in a zinc-binding domain of yeast RNA polymerase C (III) on enzyme function and subunit association.. <i>Molecular and Cellular Biology</i> , 1992, 12, 1087-1095.	2.3	78
14	Characterization of the cyl-2 UGA mutation in <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1993, 237, 463-466.	2.4	7
15	A general suppressor of RNA polymerase I, II and III mutations in <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1993, 239, 169-176.	2.4	94
16	Molecular characterization of the largest subunit of <i>Plasmodium falciparum</i> RNA polymerase I. <i>Molecular and Biochemical Parasitology</i> , 1993, 61, 37-48.	1.1	23
17	Gene RRN4 in <i>Saccharomyces cerevisiae</i> encodes the A12.2 subunit of RNA polymerase I and is essential only at high temperatures.. <i>Molecular and Cellular Biology</i> , 1993, 13, 114-122.	2.3	112
18	[21] Expression and screening in yeast of genes mutagenized in vitro. <i>Methods in Enzymology</i> , 1993, 217, 301-312.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Structural alterations of the nucleolus in mutants of <i>Saccharomyces cerevisiae</i> defective in RNA polymerase I.. <i>Molecular and Cellular Biology</i> , 1993, 13, 2441-2455.	2.3	101
20	The 5' end of yeast 5.8S rRNA is generated by exonucleases from an upstream cleavage site.. <i>EMBO Journal</i> , 1994, 13, 2452-2463.	7.8	278
21	Yeast Srp1p has homology to armadillo/plakoglobin/beta-catenin and participates in apparently multiple nuclear functions including the maintenance of the nucleolar structure.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 6880-6884.	7.1	127
22	Suppression of yeast RNA polymerase III mutations by FHL1, a gene coding for a fork head protein involved in rRNA processing.. <i>Molecular and Cellular Biology</i> , 1994, 14, 2905-2913.	2.3	100
23	mRNA transport in yeast: time to reinvestigate the functions of the nucleolus.. <i>Molecular Biology of the Cell</i> , 1995, 6, 357-370.	2.1	102
24	Gene RPA43 in <i>Saccharomyces cerevisiae</i> Encodes an Essential Subunit of RNA Polymerase I. <i>Journal of Biological Chemistry</i> , 1995, 270, 24252-24257.	3.4	38
25	A structure/function analysis of <i>Escherichia coli</i> RNA polymerase. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1996, 351, 475-482.	4.0	43
26	TRANSCRIPTION OF PROTEIN- CODING GENES IN TRYPANOSOMES BY RNA POLYMERASE I. <i>Annual Review of Microbiology</i> , 1997, 51, 463-489.	7.3	101
27	PpoI, the Endonuclease Encoded by the Group I Intron PpLSU3, Is Expressed from an RNA Polymerase I Transcript. <i>Molecular and Cellular Biology</i> , 1998, 18, 5809-5817.	2.3	32
28	Assembly and Functional Organization of the Nucleolus: Ultrastructural Analysis of <i>Saccharomyces cerevisiae</i> Mutants. <i>Molecular Biology of the Cell</i> , 2000, 11, 2175-2189.	2.1	63
29	Partners of Rpb8p, a Small Subunit Shared by Yeast RNA Polymerases I, II, and III. <i>Molecular and Cellular Biology</i> , 2001, 21, 6056-6065.	2.3	36
30	Cross Talk between tRNA and rRNA Synthesis in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2001, 21, 189-195.	2.3	36
31	Structure and Functions of Eukaryotic Nuclear DNA-Dependent RNA Polymerase I. <i>Molecular Biology</i> , 2002, 36, 1-17.	1.3	16
32	Silencing in Yeast rDNA Chromatin. <i>Molecular Cell</i> , 2003, 12, 135-145.	9.7	78
33	Cell Cycle-dependent Nuclear Localization of Yeast RNase III Is Required for Efficient Cell Division. <i>Molecular Biology of the Cell</i> , 2004, 15, 3015-3030.	2.1	28
34	Structural Perspective on Mutations Affecting the Function of Multisubunit RNA Polymerases. <i>Microbiology and Molecular Biology Reviews</i> , 2006, 70, 12-36.	6.6	59
35	Nutrient starvation promotes condensin loading to maintain rDNA stability. <i>EMBO Journal</i> , 2007, 26, 448-458.	7.8	64
36	Site specific phosphorylation of yeast RNA polymerase I. <i>Nucleic Acids Research</i> , 2008, 36, 793-802.	14.5	64

#	ARTICLE	IF	CITATIONS
37	Journey of a Molecular Biologist. Annual Review of Biochemistry, 2011, 80, 16-40.	11.1	5
38	Crystal structure of the 14-subunit RNA polymerase. Nature, 2013, 502, 644-649.	27.8	179
39	Role for RNA:DNA hybrids in origin-independent replication priming in a eukaryotic system. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5779-5784.	7.1	90
40	RNA Polymerase III. , 1998, , 57-76.		2
41	Zinc-binding subunits of yeast RNA polymerases.. Journal of Biological Chemistry, 1991, 266, 21971-21976.	3.4	67
42	RPC19, the gene for a subunit common to yeast RNA polymerases A (I) and C (III). Journal of Biological Chemistry, 1991, 266, 15300-15307.	3.4	107
43	The RET1 gene of yeast encodes the second-largest subunit of RNA polymerase III. Structural analysis of the wild-type and ret1-1 mutant alleles.. Journal of Biological Chemistry, 1991, 266, 5616-5624.	3.4	71
44	Conditional Expression of <i>RPA190</i> , the Gene Encoding the Largest Subunit of Yeast RNA Polymerase I: Effects of Decreased rRNA Synthesis on Ribosomal Protein Synthesis. Molecular and Cellular Biology, 1990, 10, 2049-2059.	2.3	36
45	Suppressor analysis of temperature-sensitive RNA polymerase I mutations in <i>Saccharomyces cerevisiae</i> : suppression of mutations in a zinc-binding motif by transposed mutant genes. Molecular and Cellular Biology, 1991, 11, 746-753.	2.3	18
46	Suppressor Analysis of Temperature-Sensitive Mutations of the Largest Subunit of RNA Polymerase I in <i>Saccharomyces cerevisiae</i> : a Suppressor Gene Encodes the Second-Largest Subunit of RNA Polymerase I. Molecular and Cellular Biology, 1991, 11, 754-764.	2.3	62
47	Cloning and Characterization of SRP1, a Suppressor of Temperature-Sensitive RNA Polymerase I Mutations, in <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 1992, 12, 5640-5651.	2.3	105
48	Effect of Mutations in a Zinc-Binding Domain of Yeast RNA Polymerase C (III) on Enzyme Function and Subunit Association. Molecular and Cellular Biology, 1992, 12, 1087-1095.	2.3	56
49	Gene RRN4 in <i>Saccharomyces cerevisiae</i> encodes the A12.2 subunit of RNA polymerase I and is essential only at high temperatures. Molecular and Cellular Biology, 1993, 13, 114-122.	2.3	78
50	Structural alterations of the nucleolus in mutants of <i>Saccharomyces cerevisiae</i> defective in RNA polymerase I. Molecular and Cellular Biology, 1993, 13, 2441-2455.	2.3	57
51	Suppression of Yeast RNA Polymerase III Mutations by <i>FHL1</i> , a Gene Coding for a fork head Protein Involved in rRNA Processing. Molecular and Cellular Biology, 1994, 14, 2905-2913.	2.3	69
52	Genetics of eukaryotic RNA polymerases I, II, and III. Microbiological Reviews, 1993, 57, 703-724.	10.1	138
53	A yeast protein that bidirectionally affects nucleocytoplasmic transport. Journal of Cell Science, 1995, 108, 265-272.	2.0	65
54	The Creative Commons*. , 2017, , 335-347.		15

#	ARTICLE	IF	CITATIONS
55	RNase H enables efficient repair of R-loop induced DNA damage. ELife, 2016, 5, .	6.0	116
56	RNA Polymerase I, the Nucleolus and Synthesis of 35S rRNA in the Yeast Saccharomyces Cerevisiae. , 1993, , 89-99.		2
57	Expression and Screening in Yeast of Genes Mutagenized in Vitro. , 1995, , 373-384.		0
60	The 5' end of yeast 5.8S rRNA is generated by exonucleases from an upstream cleavage site. EMBO Journal, 1994, 13, 2452-63.	7.8	187