



Product Sheet

**c9871 (ATCC® 71236™)**

## Saccharomyces cerevisiae

### Please read this FIRST



### Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Saccharomyces cerevisiae* (ATCC® 71236™)

### Shipping Information

Distributed: frozen, uncharacterized

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

### Description

Designation: c9871

### Notes

IMPORTANT: To prevent amplification of a rearranged and/or deleted cosmid, we recommend streaking on LB + amp plates at 30C and picking small colonies for liquid culture.

- ATCC staff

More information may be available from ATCC (<http://www.atcc.org/>) or the Saccharomyces Data Base (<http://genome-www.stanford.edu/>).

Because of the large number of simultaneous deposits, the ATCC has not verified that the characteristics of the material supplied here are as published. The ATCC encourages users of this material to communicate results of their tests to us.

### Distributed In

Distribution host: Escherichia coli

### Insert Information

DNA: genomic

DESCRIPTION OF INSERT COMPONENT:

Genome: Saccharomyces cerevisiaeCandida robusta

Gene symbol: CUP5

Gene name: vacuolar ATP synthase, 16 kDa proteolipid subunit; dicyclohexylcarbodiimide binding subunit

Contains complete coding sequence?: Y

Chromosome: V

Genome: Saccharomyces cerevisiaeCandida robusta

Gene symbol: RIP1

Gene name: Rieske iron-sulfur protein of the mitochondrial cytochrome bc1 complex

Contains complete coding sequence?: Y

Chromosome: V

Genome: Saccharomyces cerevisiaeCandida robusta

Gene symbol: URA3

Gene name: orotidine-5'-phosphate decarboxylase

Contains complete coding sequence?: Y

Chromosome: V; Localization: V L, 7 cM from CEN

Genome: Saccharomyces cerevisiaeCandida robusta

Gene symbol: RPR1

Gene name: RNA component of nuclear RNase P

Contains complete coding sequence?: Y

Chromosome: V

Genome: Saccharomyces cerevisiaeCandida robusta

Gene symbol: MMS21

Contains complete coding sequence?: Y

Chromosome: V

Strain: AB972 (ATCC 76269)

Type of DNA: genomic

Insert end: Mbol

Insert end: Mbol

Insert size (kb): 38.0

Cross references: DNA Seq. Acc.: U18530

Nucleotides ? of the insert correspond to nucleotides 1-38086 of U18530.

DNA Seq. Acc.: U18779

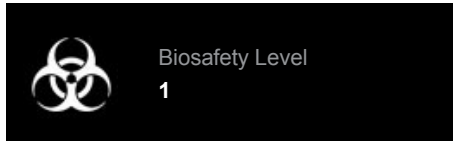


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Nucleotides ? of the insert correspond to nucleotides 31670-36872 of U18779.  
Insert lengths(kb): 38.0  
Gene product: Rieske iron-sulfur protein of the mitochondrial cytochrome bc1 complex [CUP5]

### Vector Information

Construct size (kb): 44.43000030517578

DESCRIPTION OF VECTOR COMPONENT:

Name of vector: pHc79

Intact vector size: 6.430

Type of vector: cosmid

Vector end: BamHI

Vector end: BamHI

Cloning sites: EcoRI ClaI BamHI Sall EcaI PstI

Polylinker sites:

Construction: pBR322, Charon 4A

Host range: Escherichia coli

Features (with orientation and position when available):

marker(s): ampR, tetR

replicon: pMB1

terminator: none

Cross references: DNA Seq. Acc.: L08873

### Propagation

#### Growth Conditions

**Temperature:** 30.0°C

#### Medium

ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

### References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

### ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

### Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)



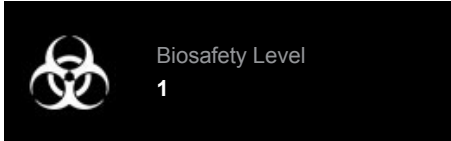
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