



Product Sheet

**c8035 [8035] (ATCC®  
70902™)**

## Saccharomyces cerevisiae

Please read this **FIRST**



Storage Temp.  
**Store unopened  
frozen vial at -  
80°C or lower.**

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Biosafety Level  
**1**

### 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® 70902™)

### Shipping Information

Frozen glycerol stock of *E. coli* containing the cosmid.

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

This is a *Saccharomyces cerevisiae* chromosome IV R genomic clone in a cosmid vector. It contains coding sequence for mating factor a (MFA1), ribosomal protein L27b (RPL27B), negative regulator of prp genes (SPP41) and nuclear-localized protein containing zinc finger motifs involved in pre-tRNA splicing (STP1).  
**Designation:** c8035 [8035]

### Notes

This clone is reported to contain EcoRI/HindIII fragments of the following sizes (kb), ordered as in the genome: 3.077, 2.207, 2.564, 2.534, 0.728, 1.488, 2.242, 0.862, 3.562, 2.528, 2.893, 0.799, 1.821, 2.002, 1.215, 0.545, 1.168, 0.406. The insert in this clone overlaps clones with the ATCC numbers: 70439, 70457, 70572, 70736.  
ATCC Staff

### Insert Information

DNA: genomic

#### Insert information:

Insert size (kb): 36.146

Insert ends: Mbol

Genes:

mating factor a, MFA1,  
ribosomal protein L27b, RPL27B  
negative regulator of prp genes, SPP41  
nuclear-localized protein containing zinc finger motifs, involved in pre-tRNA splicing, STP1

DNA: genomic, chromosome IV R

Source: *Saccharomyces cerevisiae* AB972 (ATCC 76269)

Genbank accession: Nucleotides 1-36146 of the insert correspond to nucleotides 2618-38763 of U33050.

Insert lengths(kb): 36.14599990844727

Gene product: mating factor a [MFA1]

Gene product: ribosomal protein L27b (RPL27B)

Gene product: negative regulator of prp genes (SPP41)

Gene product: nuclear-localized protein containing zinc finger motifs, involved in pre-tRNA splicing (STP1)

### Vector Information

Construct size (kb): 42.58

### Propagation

Transfer a loopful to a test tube containing 5 mL LB+50mg/mL of ampicillin broth. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard cosmid preparation procedures. **IMPORTANT** To prevent amplification of a rearranged and/or deleted cosmid, we recommend streaking colonies and picking small ones for liquid culture. If using LB broth plus ampicillin at 37°C, do not grow longer than 8 hrs (inoculate 3 mL first, then use 0.5 mL to inoculate a 50 mL flask, etc.). We recommend using TB plus ampicillin at 30°C.

### 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




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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.

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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)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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