



# c8035 [8035]

70902™

## 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).

**Organism:** *Saccharomyces cerevisiae* Meyen ex E.C. Hansen

**Clone type:** Clone

**Shipping information:** *Escherichia coli* containing the cosmid in glycerol stock

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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## Intended Use

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

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## BSL 1

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or national agencies.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Insert Information

**Insert size (kb):** 36.146000000000001

**Type of DNA:** genomic

**Gene product:** mating factor a [MFA1]

**Insert end:** MboI

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## Vector Information

**Construct size (kb):** 42.58

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## Growth Conditions

**Medium:**

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

**Temperature:** 30°C

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## Handling Procedures

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.

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## 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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: c8035 [8035] (ATCC 70902)

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## References

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

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## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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