



c8035 [8035]

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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

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local

or national agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Insert Information

Insert size (kb): 36.146000000000001

Type of DNA: genomic

Gene product: mating factor a [MFA1]

Insert end: MboI

Vector Information

Construct size (kb): 42.58

Growth Conditions

Medium:

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

Temperature: 30°C

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

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streaking colonies and picking small ones for liquid culture. If using LB broth plus ampicillin at 37⁰C, 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 30⁰ C.

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

Material Citation

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

References

References and other information relating to this material are available at www.atcc.org.

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