Genomic DNA from *Magnusiomyces capitatus* strain IGC 3709

28576D-2™

Description

Genomic DNA isolated from *Magnusiomyces capitatus* strain CBS 5582. This fungal strain is also available as ATCC® Catalog No.: 28576™.

Organism: *Magnusiomyces capitatus* (de Hoog et al.) de Hoog et Smith
Derived from: *Magnusiomyces capitatus* CBS 5582 [CBS 578.82, IGC 3709] (ATCC 28576)
Genome sequenced strain: Yes
Type strain: No
Mass: 2 µg
Shipping information: Stored in 1X TE buffer

Storage Conditions

Product format: Freeze-dried

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.

Handling Procedures

Centrifuge the vial prior to opening to prevent loss of pelleted material

1. Rehydrate contents of vial with molecular grade H_2O. DNA is dried in Tris.
2. Place vial at 37°C for 1 hour or at +2°C to 8°C overnight.
3. For more complete rehydration and to fully recover DNA incubate the sample at 65°C for 1 hour or overnight at 4°C. Resuspending the dried DNA in approximately 250 µL may give better results

Quality Control Specifications

Electrophoresis - RNA content: No RNA was detected by electrophoresis
Purity (A260/A280): 1.7 to 2.1
Integrity: Integrity of DNA was determined by electrophoresis on a 1% agarose gel stained with SYBR Safe™, and was found to be of high molecular weight.
Functional tests: Functional activity was confirmed by PCR amplification of approximately 1500 base pairs fragment of rRNA gene cluster including ITS1-5.8S-ITS2 region.
Identity: Identity confirmed by sequencing of ITS1, 5.8S gene and ITS2 regions of ribosomal RNA (~ 500 base pairs).

Notes

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Genomic DNA isolated from fungi is appropriate for PCR and other molecular biology applications.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Genomic DNA from *Magnusiomyces capitatus* strain IGC 3709 (ATCC 28576D-2)

References

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

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Revision

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