ATCC

Product Sheet

pADH59 (ATCC® 39335™)

Please read this FIRST

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: pADH59 (ATCC® 39335™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Strain designation: pADH59
Deposited name:
Medium
ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Growth Conditions
Temperature: 28.0°C

Propagation

Temperature: 28.0°C

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI/SalI--3.3, 1.75; EcoRI--5.1; SalI--5.1; BamHI--4.9, 0.2.
- ATCC staff

The 1.75 kb EcoRI/SalI fragment contains a trp promoter/regulator and the EGF/urogastrone coding region. The complete coding sequence of the mature peptide, plus a "pro" sequence of 8 aa, is contained in a 0.2 kb XbaI/SalI fragment.
- U.S. Pat. 4,764,593 dated Aug. 16, 1988

Constructed from oligonucleotides selected to reflect the codon usage of Escherichia coli. Contains a HinfI site interrupting Asp3, an SphI site interrupting Cys31, and an NruI site after Tyr44.
- U.S. Pat. 4,764,593 dated Aug. 16, 1988

Runaway vector contains a temperature-sensitive mutation in the copy-control gene. Maintained at a low copy number below 34C; replication increases 50-fold at temperatures greater than 34C. Growth at 37C is lethal.
- U.S. Pat. 4,764,593 dated Aug. 16, 1988

Directs the synthesis of a peptide of 61 aa, including an 8-residue "leader" sequence.
- U.S. Pat. 4,764,593 dated Aug. 16, 1988

Expresses the urogastrone analog product on the order of 50 mg per O. D. liter as determined by SDS-PAGE. The microbially expressed product is biologically active.
- U.S. Pat. 4,764,593 dated Aug. 16, 1988

.tail_inf
.patent

References

References and other information relating to this product are available online at 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

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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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