pAS64-H4 plasmid in *E. coli* [full-length clone of tomato apical stunt viroid]

45053™

Description

This is the full length cDNA fragment of TASV with HindIII ends cloned into the HindIII site of pSP64. The insert contains internal PstI, BamHI and SmaI sites.

Clone type: Clone

Host: *Escherichia coli* JM83; K-12 strain JM83

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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

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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): 0.35999999999999999
Insert strain: Ivory Coast
Insert information:
Gene: Full-length Tomato Apical Stunt Viroid, TASV
Insert end: HindIII

Vector Information

Construct size (kb): 3.36
Intact vector size: 3.0
Vector name: pSP64
Type of vector: plasmid
Vector end: HindIII
Vector information: Excise insert with: HindIII
Markers: ampR

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

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Handling Procedures

1. Open vial according to instructions.
2. Asceptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 µL to a test tube containing 5 mL LB+ ampicillin (50-100 µg/mL). A loopful of culture can also be streaked on an agar plate of the same. Incubate cultures at 37°C.
3. Isolate DNA using standard plasmid preparation procedures.

Notes

Restriction digests of the clone gave the following sizes (in kb): HindIII – 3.1, 0.36 ; PstI – 3.2, 0.27 ; EcoRI – 3.4.

–ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pAS64-H4 plasmid in *E. coli* [full-length clone of tomato apical stunt viroid] (ATCC 45053)

References

References and other information relating to this material are available at 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 or contact your local distributor