Product Information Sheet for ATCC® 45117™

ATCC® Catalog No. 45117 ™

Designation: pSP65:pUAS14#4 plasmid in *E. coli*

Description: This is a partial clone of the apple scar skin viroid (Assv) in the pSP65 vector. It is derived from nucleotides 286 to 228 in the sequence of the circular viroid. If the plasmid is linearized with PstI or HindIII, transcription with SP6 polymerase will generate the complement (minus strand).

Depositor: Ahmed Hadidi, ARS, USDA, Beltsville, MD

Total size of construct (kb) : 3.3
Marker : ampR
Excise insert with : EcoRI

Insert information:
Insert size (kb): 0.274
Gene : apple scar skin viroid (ASSV)
DNA : cDNA
Insert ends : EcoRI

Vector information:
Vector: pSP65
Vector type : plasmid
Vector size (kb) : 3.1
Markers: ampR
Vector ends : EcoRI

Distribution host : *Escherichia coli*

Shipped: Freeze dried *E. coli* containing the plasmid

Propagation:
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 *u*L to a test tube containing 5 mL LB+ ampicillin (50-100 ug/ml). A loopful of culture can also be streaked on an agar plate of the same. Incubate cultures at 37^0 C.
3. Isolate DNA using standard plasmid preparation procedures.

Conditions: Store unopened freeze dried vial at 4^0 C.

Notes :
Restriction digests of the clone gave the following sizes (in kb): EcoRI – 3.0, 0.3 ; PstI – 3.3 ; BglI – 3.3 ; HindIII – 3.3. –ATCC Staff

References:
Nucleic Acids Res. 15: 7045-7051, 1987.

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.

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Manassas, VA 20108 USA
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