




Product Sheet

pAB366Ben (ATCC® 77136™)

Please read this FIRST



Storage Temp.
**>Store unopened
frozen vial at -
80°C.**



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: pAB366Ben (ATCC® 77136™)

Shipping Information

Frozen glycerol stock of *Escherichia coli* containing the plasmid.

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

This is a shuttle reporter plasmid for use in *Aspergillus nidulans* or *Neurospora crassa* that can be used to test expression of bleomycin resistance in transformants. Expresses the mutant beta-tubulin gene conferring benomyl resistance. The order of the major features in this plasmid is : pUC8 EcoRI BamHI am promoter ble XhoI am 3 region tub-2 (benomyl resistance) pUC8.A 2.5 kb Sall/HindIII fragment contains the complete tubulin gene and 5 and 3 flanking regions. Restriction digests of the vector gave the following sizes (kb): BamHI 5.1, 2.1; HindIII 4.0, 3.2; BamHI/HindIII 2.6, 2.5, 1.5, 0.65; BamHI/XhoI 3.0, 1.35, 1.2, 0.9, 0.8; Sall/HindIII 3.3, 2.6, 0.85, 0.55. -----ATCC staff

Designation: pAB366Ben

Propagation

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 plasmid preparation procedures.

Growth Conditions

Temperature: 37.0°C

Medium

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

Vector Information

Size (kb): 7.1999998092651370

Vector: pAB366Ben (plasmid)

Construction: pAB366, pBT6

Marker(s): ampR, bleR, benR

Construct size (kb): 7.199999809265137

Features: marker(s): ampR, bleR, benR

replicon: pMB1

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 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.

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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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