ATCC

Product Sheet

pACYC177/ET3d/yNMT (ATCC® 87052™)

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: pACYC177/ET3d/yNMT (ATCC® 87052™)

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

Designation: pACYC177/ET3d/yNMT
Distribution Host:
Distribution host: *Escherichia coli* BL21(DE3)

Propagation

Growth Conditions
Temperature: 37.0°C
Medium
ATCC® Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

Vector Information

Size (kb): 4.9429998397827150
DESCRIPTION OF VECTOR COMPONENT:
Name of vector: pACYC177/ET3d
Intact vector size:
Type of vector: plasmid
Vector end: NcoI
Vector end: BamHI
Cloning sites: NcoI, NcoI+BamHI
Polylinker sites:
Construction: pACYC177,pET3d
Host range: Escherichia coli
Features (with orientation and position when available):
replicon: p15A
marker(s): kanR, ->
ribosome-binding site: gene 10
promoter: T7 (phi10), ->
Cross references:
Vector: pACYC177/ET3d/yNMT (plasmid)
Promoters: Promoter for expression T7 (phi10)
Construction: pACYC177,pET3d
Marker(s):kanR
Construct size (kb): 4.900000095367432
Features: marker(s): kanR
promoter for expression: T7 (phi10)
replicon: p15A
coding sequence: NMT1

References

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

Notes

Restriction digests of the clone give the following sizes (kb): NdeI--5.5; NcoI--5.5; StuI--3.9, 1.5. U25270, Expression cloning vector pACYC177/ET3d/yNMT, complete sequence.
- ATCC staff

Expression system compatible with ColE1 plasmids, for cotransformation and production of myristoylated proteins.
- J. Biol. Chem. 268: 7064-7068, 1993

Expression of this gene in the presence of 100 uM myristic acid allows myristoylation of recombinant proteins produced by a second ColE1 plasmid.
- J. Biol. Chem. 268: 7064-7068, 1993

Introduction of the NcoI site during amplification introduced a single base substitution T->G at nt 4.

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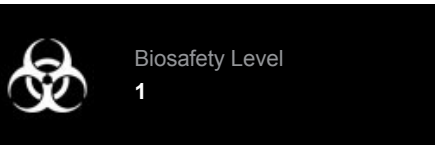

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Biosafety Level: 1

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.

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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