ATCC

Product Sheet

pJIR751 [JIR2439] (ATCC® 87016™)

Please read this FIRST

Storage Temp.
Store unopened vial at 4°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: pJIR751 [JIR2439] (ATCC® 87016™)

Shipping Information

Shipped in *E. 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

Shuttle expression vector derived from pJIR418 (ATCC# 77387) permitting expression of antibiotic resistance in both hosts. The erythromycin resistance gene (ermBP), expressed in both *Clostridium perfingens* and *Escherichia coli*, was derived from *C. perfingens* and is inactivated by insertions at the ScaI site. The vector contains the following restriction sites (approximate kb from the EcoRI site): BglI 0.2, 2.50; NdeI 0.27, 2.09; PvuI 0.17; PvuII 0.14, 5.78; ScaI 4.45; SmaI 4.98. The order of the major features of the plasmid are: lacZ EcoRI/MCS/HindIII lacZ - pIP404 ori rep ermBP pMB1 ori.
Designation: pJIR751 [JIR2439]
Media:
ATCC® Medium 2305: 1065 plus erythromycin (150 mcg/ml)

Conditions

Temperature: 37°C

Vector Information

Size (kb): 5.95
Vector: pJIR751 (plasmid)
Promoters: Promoter lac
Construction: pJIR418
Marker(s): eryR
Construct size (kb): 5.95

Features:
insert detection: lacZ'
marker(s): ermBP
other: rep
promoter: lac
replicon: pIP404
replicon: pMB1
MCS: EcoRI...HindIII

References

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

Notes

The standard reverse sequencing primer is not useful with this vector due to the duplication of the 181 bp region between pUC18 sites PvuII and EcoRI.Restriction digests of the vector give the following sizes (kb): BglI 3.85, 2.1; PvuI 5.95; SmaI 5.95. ----------ATCC staff

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

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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.

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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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