p16R1

87120™

Description

This is a shuttle vector allowing transformation of a broader range of Mycobacterial species and at a higher efficiency than the kanamycin resistance conferring shuttle vectors pBAK14, pYUB12 and pMV251. Mycobacteria containing this vector should be grown on 7H9/7H11 media plus 50 ug/mL hygromycin. It was constructed by inserting the pAL5000 origin of replication into the BamHI site of pIJ963, followed by subsequent loss of 1 1.9 kb fragment including the ampR region. ---Microbiology (Reading) 140: 133-138, 1994

Clone type: Vector

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 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.

Vector Information

Construct size (kb): 5.099999904632568
Vector name: p16R1 (plasmid)
Type of vector: plasmid
Construction: pAL5000, pIJ963
Markers: hygR
Replicon: pAL5000
Restriction sites: KpnI

Growth Conditions

Medium:
ATCC Medium 1952: LB medium (ATCC medium 1065) with 200 mcg/ml hygromycin B
Temperature: 37°C

Notes

Restriction digests of the clone gave the following sizes (in kb): EcoRI 2.7, 2.4 ; KpnI 5.1 ; BglII 4.0, 1.2. ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: p16R1 (ATCC 87120)

References

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

Warranty

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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