



pOJ31

77416™

Description

This is a medium copy number shuttle vector that allows lacZα complementation. It was constructed from the cosmid vector pFD304 by addition of a lacZα polylinker fragment and a 2.4 kb PstI-Sall fragment containing the JHJ-3 replicon. The JHJ-3 replicon permits replication in the following actinomycete genera: *Streptomyces*, *Saccharopolyspora* and *Amycolatopsis*. The ClaI* site is methylated, making the ClaI site in the polylinker unique in *E. coli* dam+ strains. The order of the major features in the plasmid is: JHJ-3 ori ? neo ? ClaI* - synthetic promoter ? pMB1 ori ? cos site ? lac promoter ? SpeI/MCS/XbaI ? lacZ.- FEMS Microbiol. Lett. 78: 257-260, 1992.

Clone type: Vector

Shipping information: *Escherichia coli* containing the cosmid

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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*

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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): 5.0

Vector name: pOJ31 (cosmid)

Construction: pFD304, pUC21, phage JHJ-3

Insert detection: lacZ'

Markers: kanR

Promoters: lac; T7

Replicon: pMB1; JHJ-3

Growth Conditions

Medium:

ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

Temperature: 30°C

Notes

Restriction digests of the clone gave the following sizes (in kb): BamHI 5.1 ; EcoRI 5.1 ; PstI/SalI 4.7, 0.3. ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pOJ31 (ATCC 77416)

References

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

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Revision

This information on this document was last updated on 2025-09-09

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
