



pJAK17 [JK397] 77292™

Product Sheet

Description

This is a shuttle vector permitting autoregulated high-level expression in all gram-negative bacteria. It is compatible with common *E. coli* cloning vectors, as well as vectors derived from IncP and IncW plasmids. It belongs to a group of vectors (ATCC# 37622-37623, 77287-77292) differing only in antibiotic resistance and polylinker orientation. This plasmid can be mobilized by conjugative IncP helper plasmids [e.g. pRK2013 (ATCC 37159), pUB307] into *Klebsiella aerogenes*, *Proteus mirabilis*, *Pseudomonas aeruginosa*, *Serratia marcescens*, and other gram-negative bacteria.

Clone type: Vector

Shipping information: *Escherichia coli* containing the plasmid

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*

(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): 12.60000038146973

Vector name: pJAK17 (plasmid)

Type of vector: plasmid

Construction: pMMB67HE (ATCC 37623), pSa

Markers: cmlR

MCS: HindIII...EcoRI

Promoters: tac

Replicon: RSF1010; oriT; oriV

Repressor gene: lacIq

Terminator: rrnB

Transcription terminator: rrnB

Growth Conditions

Medium:

ATCC Medium 1675: LB Agar/Broth (1065) w/ 10ug/ml Chloramphenicol

Temperature: 37°C

Notes

Restriction digests of the clone gave the following sizes (in kb): EcoRI 12.6 ; HindIII 12.6 ; SphI 9.0, 3.6.
ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pJAK17 [JK397] (ATCC 77292)

References

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

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