



pLBT 87450™

Description

Clone type: Vector

Host: *Escherichia coli* SM10 lambda pir

Storage Conditions

Product format: Freeze-dried

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.

Insert Information

Target gene: beta-galactosidase

Vector Information

Construct size (kb): 13.09000015258789

Intact vector size: 13.090

Vector name: pLBT (plasmid)

Type of vector: plasmid

Construction: pLOFKm, pNK2804

Host range: *Escherichia coli*

Vector information:

other: IS10R

other: mini-Tn10:lacZ:kanR

other: mobRP4

other: IS10R

other: mini-Tn10:lacZ:kanR

other: mobRP4

Markers: kanR; ampR

Promoters: tac

Replicon: R6K; R6K

Repressor gene: lacIq

Growth Conditions

Medium:

ATCC Medium 1315: LB Medium (ATCC medium 1065) with 100 mg/L ampicillin

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--5.2, 4.6 (doublet); HindIII--8.0, 4.8, 1.1, 0.92; NotI--13.0, 1.7.

- ATCC staff

This vector was used to generate transposon reporter gene fusion mutants at high frequencies in *Vibrio* sp. S14 and *Pseudomonas* sp. S9. It may be a useful mutation analysis tool in other bacterial strains susceptible to Tn10 transposition.

- FEMS Microbiol. Lett. 140: 287-294, 1996

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pLBT (ATCC 87450)

References

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

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