



# pLBT 87450™

## Description

**Clone type:** Vector

**Host:** *Escherichia coli* SM10 lambda pir

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## Storage Conditions

**Product format:** Freeze-dried

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## 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.

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## BSL 1

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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](http://www.atcc.org).

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## Insert Information

**Target gene:** beta-galactosidase

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## 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

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## 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

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## Material Citation

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

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

This information on this document was last updated on 2024-10-25

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