



pLTRLuc plasmid in *Escherichia coli*

MBA-63™

Description

This construct contains the full length mouse mammary tumor virus (MMTV) LTR driving expression of luciferase.

Other Designations: p1187Luc

Total Size (kb): 7.441

Organism: *Mus musculus*, mouse

Shipping information: *Escherichia coli* containing the plasmid in glycerol stock

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.



Biosafety Level 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.

Insert Information

Insert information:

Insert: MMTV LTR (nt -107 to -1187)

Insert ends: 5' SstI, 3' ThaI

Insert end: 5' SstI; 3' ThaI

Vector Information

Intact vector size: 6.36

Vector name: pMLuc

Vector information: Insert site(s): 5' SstI, 3' SmaI

Markers: ampR

Reporter group: Luciferase

Handling Procedures

Transfer a loopful to a test tube containing 5 mL LB + 50µg/mL of ampicillin broth. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation

procedures.

Notes

Restriction digests of the construct give the following sizes (kb): HindIII – 7.5; PstI – 4.4, 2.0, 0.95; EcoRI – 4.8, 2.7.

– ATCC staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pLTRLuc plasmid in *Escherichia coli* (ATCC MBA-63)

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 2021-05-20

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