pLTRpoly

77109™

Description

Clone type: Vector
Host: *Escherichia coli* HB101 (ATCC 33694)

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.

Vector Information

Construct size (kb): 4.27299976348877
Intact vector size: 4.273
Vector name: pLTRpoly (plasmid)
Type of vector: plasmid
Construction: pMP-1, pSP72, pGEM7Zf(+), pUC19
Host range: vertebrate cells
Cloning sites: HindIII; AsuII; SmaI; KpnI; EcoRI; SphI; SalI; AccI; NruI; SauI
Markers: ampR
Polylinker sites: HindIII; ClaI; AsuII; SmaI; KpnI; EcoRI; XhoI; XbaI; SphI; PstI; SalI; AccI; HincII; NruI; SauI
Promoters: Mo-MuLV 3' U3 LTR
Replicon: pMB1
Terminator: SV40 late

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--4.3; PstI--4.3; XhoI--3.6; 0.8.
- ATCC staff

Expression shuttle vector with promoters for in vitro RNA synthesis. Consists of the following sequences: nt 1-51 from pGEM7Zf(+) (reverse of 28-78), 52-70 from

pUC19 (reverse of 428-446), 71-1090 from pSV2neo (reverse of 3050-4069), 1091-3474 from pSP72 (88-2462 and 1-9), and 3475-4273 from pMP-1 (with 7505-8297
from MoMuLV). The order of the major features in this plasmid is: HindIII site of MCS (nt = 1) - SV40 splice acceptor - SV40 late polyadenylation signal - T7 promoter - bla - SP6 promoter - XhoI site - MoMuLV LTR. Note that the T7 and SP6 promoters are not immediately adjacent to the cloning sites. When cotransfected with pSV2-neo (ATCC 37149) into NIH 3T3 cells, 70-80% of G418-resistant colonies expressed high levels of the appropriately sized mRNA.
- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pLTRpoly (ATCC 77109)

References

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

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Revision

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