pT

77384™

Description

This is an expression vector containing two multiple cloning sites: the first interrupting the lacZ? gene, and the second being flanked by a murine metallothionein I promoter, splicing and polyadenylation signals. The first site was designed for insertion of a marker selectable in mammalian cells, and the second for the sequence to be expressed. The first site permits detection of inserts by alpha complementation. The order of major features in this plasmid is: NotI? 5? metallothionein promoter 3? ? ClaI/MCSII?/BglII ? poly(A) ? SphI ? 3? lacZ? ? EcoRI/MCSI/HindIII ? 5? lacZ? ? pMB1 ori - ampR.

Clone type: Vector

Shipping information: *Escherichia coli* containing the phagemid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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): 5.4229998588562
Vector name: pT (plasmid)
Type of vector: plasmid
Construction: pUC19, pT24, SV40 early splicing region, poly(A) from pMAMneo
Insert detection: lacZ'
Markers: ampR
Promoters: lac; metallothionein
Replicon: pMB1
Terminator: SV40

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 gave the following sizes (in kb): PvuI 3.6, 1.8 ;

EcoRI 2.9, 2.5 ; HindIII 5.4 ; Bgl II 5.4 ; ClaI 5.4.	ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pT (ATCC 77384)

References

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

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Revision

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Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor