



pT

77384™

## Description

This is an expression vector containing two multiple cloning sites: the first interrupting the lacZ<sup>+</sup> 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<sup>+</sup> 5' metallothionein promoter 3' ? Clal/MCSII<sup>+</sup>/BglII ? poly(A) ? SphI ? 3' lacZ<sup>+</sup> ? EcoRI/MCSI/HindIII ? 5' lacZ<sup>+</sup> ? pMB1 ori - ampR.

**Clone type:** Vector

**Shipping information:** *Escherichia coli* containing the phagemid

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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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## 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

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## Growth Conditions

### Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

**Temperature:** 37°C

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## 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

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## Material Citation

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

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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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