



# pOSEX4

## 87213<sup>TM</sup>

### Description

This is an expression vector allowing osmotically controlled expression of cloned inserts directed by the *E. coli* proU promoter. Expression can be induced in cells grown in low osmolarity media by the addition of sodium chloride. The vector does not provide a ribosome binding site or initiation codon. This vector was constructed from pOSEX2 (ATCC#87211) by deletion of a portion of the pBR322 backbone, including the copy control region. This material is being provided with the explicit understanding that it not be used for commercial purposes without prior authorization from the depositor.

**Clone type:** Vector

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

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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):** 3.34

**Vector name:** pOSEX4 (plasmid)

**Type of vector:** plasmid

**Construction:** pOSEX2

**Coding sequence:** proV 5' sequence

**Markers:** ampR

**MCS:** BamHI...HindIII

**Promoters:** Expression: proU

**Replicon:** pMB1

**Terminator:** rrnB T1

**Transcription terminator:** rrnB T1; rrnB T2

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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): BamHI 3.3 ; BglI 1.9, 1.4 ; HindIII 3.3.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: pOSEX4 (ATCC 87213)

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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 2025-09-12

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