



# pUXV2

## 77464™

### Description

One of a series of vectors (ATCC# 77463 ? 77465 and 77468 ? 77471) differing only in the selectable marker and the orientation of the gap promoter. This is a shuttle expression vector using *Ustilago maydis* promoters gap (glyceraldehydes phosphate dehydrogenase) and hsp70 to drive expression of the cloned insert and hygromycin B resistance genes respectively. It differs from pUXV1 (ATCC# 77463) only in the orientation of the gap promoter and the available cloning site. The order of the major features in the plasmid is: *Ustilago maydis* ARS ? ampR ? pMB1 ori ? 5' lacZ fragment ? EcoRI ? SacI ? gap promoter ? BamHI - HindIII ? hsp70 promoter ? XhoI ? hygR ? XhoI ? 3' lacZ fragment.

**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):** 6.5999999904632568

**Vector name:** pUXV2 (plasmid)

**Type of vector:** plasmid

**Construction:** pUC19, pCM54, p23

**Markers:** hygR; ampR

**Promoters:** gap

**Replicon:** pMB1; UARS

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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): EcoRI 4.6, 1.5, 0.33

; SacI 6.4; HindIII 3.5, 2.95.

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: pUXV2 (ATCC 77464)

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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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