



# pGPTV-KAN

## 77388™

Product Sheet

### Description

**Clone type:** Vector

**Host:** *Escherichia coli* HB101 (ATCC 33694)

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### Storage Conditions

**Product format:** Frozen

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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

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.

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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):** 13.5

**Intact vector size:** 13.500

**Vector name:** pGPTV-KAN (plasmid)

**Type of vector:** plasmid

**Construction:** pBIN19, pBI101, pBIB-HYG

**Host range:** higher plants

**Cloning sites:** EcoRI; SstI; SmaI; XbaI; SalI; HindIII; BamHI

**Markers:** kanR

**Replicon:** RK2

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## Growth Conditions

**Medium:**

ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

**Temperature:** 37°C

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## Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--13.6;

BglII--8.2, 3.2, 2.1; HindIII--13.6.

- ATCC staff

Binary vector with plant selectable marker near the T-DNA left border and a glucuronidase (*uidA*) reporter gene. The marker and *uidA* are divergently transcribed, and can be easily removed or replaced.

- Plant Mol. Biol. 20: 1195-1197, 1992

The order of the major features of this plasmid is: EcoRI - pAnos - SstI - uidA - SmaI - XbaI - SalI - HindIII - Pnos - BglII - nptII - BamHI - pAg7 - T-DNA - BglII - RK2 ori - kanR.  
- Plant Mol. Biol. 20: 1195-1197, 1992

Vector contains the following restriction sites (approximate kb from the HindIII site): BamHI--1.4; EcoRI--11.4; SstI--11.7.  
- Plant Mol. Biol. 20: 1195-1197, 1992

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGPTV-KAN (ATCC 77388)

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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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