



Product Sheet

pGPTV-KAN (ATCC® 77388™)

Please read this **FIRST**



Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: pGPTV-KAN (ATCC® 77388™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: pGPTV-KAN
Distribution Host:
Distribution host: *Escherichia coli* HB101 (ATCC 33694)

Propagation

Growth Conditions
Temperature: 37.0°C
Medium
ATCC® Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

Vector Information

Size (kb): 13.500000000000000
DESCRIPTION OF VECTOR:
Intact vector size: 13.500
Type of vector: plasmid
Cloning sites: EcoRI SstI SmaI XbaI Sall HindIII BamHI
Polylinker sites:
Construction: pBIN19, pBI101, pBIB-HYG
Host range: *Rhizobium radiobacter*; higher plants; *Escherichia coli*
Features (with orientation and position when available):
marker(s): kanR
replicon: RK2
Vector: pGPTV-KAN (plasmid)
Construction: pBIN19, pBI101, pBIB-HYG
Marker(s): kanR
Construct size (kb): 13.5
Features: marker(s): kanR
replicon: RK2

References

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

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 - Sall - 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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes



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for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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