



# pKSM714

87160™

## Description

**Clone type:** Vector

**Host:** *Escherichia coli* DH5alpha

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## Storage Conditions

**Product format:** Freeze-dried

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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):** 5.040999889373779

**Intact vector size:** 5.041

**Vector name:** pKSM714 (phagemid)

**Type of vector:** phagemid

**Construction:** pKSM710, pSM102

**Host range:** *Escherichia coli*

**Cloning sites:** BamHI; HindIII; XbaI; Aval; SmaI; EcoRI

**Insert detection:** lacZalpha, →, 335-607

**Markers:** kanR

**MCS:** BamHI..EcoRI, →, 340-391

**Polylinker sites:** BamHI; HindIII; XbaI; Aval; SmaI; EcoRI

**Promoters:** *In vitro* transcription: T7lac

**Replicon:** fd, →, 1295-1750; pMB1, ←, 1903-2497

**Repressor gene:** lacIq

**Terminator:** T7, →, 609-650

**Transcription terminator:** T7, →, 609-650; rrnB, →, 707-750; rrnB, →, 881-910; fd, →, 1006-1052; fd, →, 1116-1162; trpA, →, 4989-5016

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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): BamHI--5.0;

EcoRI--5.0; PstI--4.2, 0.65.

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- ATCC staff

Expression vector.

- Plasmid 31: 300-307, 1994

Differs from pKSM713 (ATCC 87159) only in the orientation of the pSM102 fragment containing lacIq, kanR and the trpA terminator.

- Plasmid 31: 300-307, 1994

Vector contains the following restriction sites (approximate kb from nt 1):

BamHI--0.34; BglII--4.14; EcoRI--0.39; KpnI--0.36, 2.59; NcoI--0.33, 4.74;

PstI--4.35, 5.03; PvuI--0.51; PvuII--0.48, 3.62, 3.71, 4.05, 4.41; SacI--0.38,

2.58; Sall--5.04.

- Plasmid 31: 300-307, 1994

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pKSM714 (ATCC 87160)

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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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