



# pUCSVK661-1

## 87722™

Product Sheet

### Description

**Organism:** Simian virus 40, Simian virus 40

**Clone type:** Clone

**Deposited As:** Cynomolgus monkey

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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 2

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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### Insert Information

**Insert size (kb):** 5.1470000000000002

**Type of DNA:** genomic

**Insert source:** brain, spleen, and lymph nodes

**Insert strain:** rhesus monkey

**Insert tissue:** brain, spleen, and lymph nodes

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Cross references: DNA Seq. Acc.: AF038616

Nucleotides 1-5147 of the insert correspond to nucleotides 1-5147 of AF038616.

**Genome:** SV40 virus

**Gene name:** DNA Segment

**Contains complete coding sequence:** Yes

**Insert end:** EcoRI

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### Vector Information

**Construct size (kb):** 7.833000183105469

**Intact vector size:** 2.686

**Vector name:** pUC19

**Type of vector:** plasmid

**Construction:** pUC71K

**Host range:** *Escherichia coli*

**Vector end:** EcoRI

**Vector information:**

Cross references: DNA Seq. Acc.: X02514

**Cloning sites:** EcoRI; SacI; KpnI; SmaI; BamHI; XbaI; HincII; AclI; SalI; PstI; SphI; HindIII

**Insert detection:** lacZ', <-

**Markers:** ampR

**MCS:** EcoRI...HindIII, ->

**Polylinker sites:** EcoRI; SacI; KpnI; SmaI; BamHI; XbaI; HincII; AclI; Sall; PstI; SphI; HindIII

**Promoters:** lac

**Replicon:** pMB1, <-

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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 give the following sizes (kb): EcoRI--5.1, 2.7; BamHI--4.4, 3.4; Sall--7.8. Insert contains the following restriction sites (approximate kb from the 5' end): BamHI--2.44; BspHI--1.82, 2.68; EcoRI--1.69; HindIII--0.95, 1.4, 1.62, 3.38, 3.91, 5.08; NcoI--0.04, 0.24, 0.47; NdeI--3.71, 4.73; PstI--1.90, 3.11; PvuII--0.18, 1.62, 3.41.

- ATCC staff

Full-length genome of SV40 strain K661-1 (SV40-K661-1) was cloned into pUC-19 at the EcoRI site. First protoarchetypal version of SV40 to be cloned and characterized. It has numerous nucleotide differences from SV40 reference strain 776.

- personal communication

This is a viable clone (viral DNA, when excised from the plasmid using EcoRI, will form virus particles if the DNA is transfected into CV-1 cells or other permissive cells).

- J. Virol. 72: 3980-3990, 1998

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pUCSVK661-1 (ATCC 87722)

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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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