

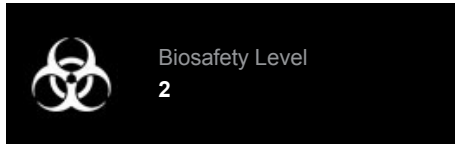


Product Sheet

pUCSVK661-1 (ATCC® 87722™)

Simian virus 40

Please read this FIRST



Biosafety Level
2

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: *Simian virus 40* (ATCC® 87722™)

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: pUCSVK661-1

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; Pvull--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

Distributed In

Distribution host: *Escherichia coli* SURE (ATCC 55695)

Insert Information

DNA: genomic
DESCRIPTION OF INSERT COMPONENT:
Genome: SV40 virus
Gene name: DNA Segment
Contains complete coding sequence?: Y
Strain: rhesus monkey
Tissue: brain, spleen, and lymph nodes
Type of DNA: genomic
Insert end: EcoRI
Insert end: EcoRI
Insert size (kb): 5.147
Cross references: DNA Seq. Acc.: AF038616
Nucleotides 1-5147 of the insert correspond to nucleotides 1-5147 of AF038616.
Insert lengths(kb): 5.146999835968018
Tissue: brain, spleen, and lymph nodes

Vector Information

Construct size (kb): 7.833000183105469
DESCRIPTION OF VECTOR COMPONENT:
Name of vector: pUC19
Intact vector size: 2.686
Type of vector: plasmid
Vector end: EcoRI
Vector end: EcoRI
Cloning sites: EcoRI SacI KpnI SmaI BamHI XbaI HincII AclI Sall PstI SphI HindIII
Polylinker sites: EcoRI SacI KpnI SmaI BamHI XbaI HincII AclI Sall PstI SphI HindIII
Construction: pUC71K
Host range: *Escherichia coli*
Features (with orientation and position when available):

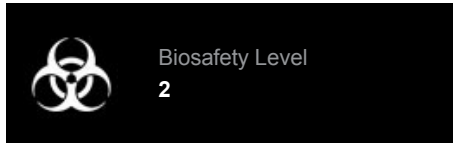


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insert detection: lacZ', <-
MCS: EcoRI...HindIII, ->
promoter: lac, <-
replicon: pMB1, <-
marker(s): ampR, <-
Cross references: DNA Seq. Acc.: X02514

Propagation

Growth Conditions

Temperature: 37.0°C

Medium

ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

References

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

Biosafety Level: 2

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 for Health.

ATCC Warranty

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Disclaimers

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

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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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