ATCC

Product Sheet

pTK-HSV-BP2 plasmid in *Escherichia coli* (ATCC® 99530™)

Please read this FIRST

Storage Temp.
Store unopened freeze dried vial at 4°C

Biosafety Level
1

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: pTK-HSV-BP2 plasmid in *Escherichia coli* (ATCC® 99530™)

Shipping Information

Freeze dried *E. coli* containing the plasmid

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

This construct allows the exogenously expressed SREBP2 to be cleaved in a sterol-regulated fashion after transfection into 293 cells (ATCC CRL-1573). The amino terminus was truncated at amino acid 14 and fused to the HSV tag of the vector.

Name of construct: pTK-HSV-BP2
Size of construct (kb): 10.0
Markers: ampR, neoR
Excise insert: BapDI + XbaI

Depositor: Joseph L. Goldstein, Department of Molecular Genetics, University of Texas Southwestern Medical Center, Callas, TX
Designation: pTK-HSV-BP2 plasmid in *Escherichia coli*
Distribution Host:
Escherichia coli HB101 (ATCC 33694)

Propagation

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

Growth Conditions
Temperature: 37.0°C

Propagation Procedure

1. Open vial according to instructions.
2. Asceptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 µL to a test tube containing 5 mL LB+ ampicillin (50-100 µg/mL). A loopful of culture can also be streaked on an agar plate of the same. Incubate cultures at 37°C.
3. Isolate DNA using standard plasmid preparation procedures.

Vector Information

Name of vector: pTK-HSV
Intact vector size: 5.8
Type of vector: phagemid
Vector end: BspDI
Vector end: XbaI
Cloning sites: BspDI XbaI
Construction: pcDNA3
Host range: mammalian cells; *Escherichia coli*

Features (with orientation and position when available):
replicon: pMB1
marker(s): neoR, ←
replicon: f1, ←
terminator: bGH polyadenylation
restriction site: XbaI
restriction site: BspDI
epitope tag: HSV
promoter: HSV TK, ←
marker(s): ampR, →

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): BspDI/XbaI--5.8, 4.2; EcoRI--6.8, 3.0; HindIII--9.0; 0.8.
- ATCC staff

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The insert contains the following restriction sites (approximate kb from the 5' end): EcoRV--1.08; HindIII--1.12; BglII--1.70; EcoRI--2.45
- GenBank/EMBL/DDBJ

This construct allows the exogenously expressed SREBF2 to be cleaved in a sterol-regulated fashion after transfection into 293 cells (ATCC CRL-1573). The amino terminus was truncated at amino acid 14 and fused to the HSV tag of the vector.
- personal communication

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 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.

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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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