



pTK-HSV-BP2 plasmid in *Escherichia coli*

99530™

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, Dallas, TX

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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.

BSL 1

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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.

Insert Information

Insert size (kb): 4.2000000000000002

Insert information:

Gene: sterol regulatory element binding transcription factor 2, SREBP2

Source: human

Genbank accession : U02031

Nucleotides: Nucleotides 1-4093 of the insert correspond to nucleotides 156-4249 of U02031

Vector Information

Intact vector size: 5.8

Vector name: pTK-HSV

Type of vector: phagemid

Construction: pcDNA3

Host range: mammalian cells

Vector end: BspDI; XbaI

Vector information:

epitope tag: HSV

Cloning sites: BspDI; XbaI

Markers: neoR; ampR

Promoters: HSV TK

Replicon: pMB1

Restriction sites: BspDI; XbaI

Terminator: bGH polyadenylation

Growth Conditions

Medium:

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

Temperature: 37°C

Handling Procedures

1. Open vial according to instructions.
2. Aseptically 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.

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

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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pTK-HSV-BP2 plasmid in *Escherichia coli* (ATCC 99530)

References

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

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Product Sheet

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