



pTKbeta

77178™

Description

Clone type: Vector

Host: *Escherichia coli* DH5alpha

Storage Conditions

Product format: Freeze-dried

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

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.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Vector Information

Construct size (kb): 7.5999999904632568

Intact vector size: 7.600

Vector name: pTKbeta (plasmid)

Type of vector: plasmid

Construction: pUC19, pC4AUG beta-gal, pL1, pXT1

Host range: vertebrate cells

Cloning sites: XbaI; NotI; Sall; SphI; HindIII

Insert detection: lacZ'

Markers: ampR

Polylinker sites: EcoRI; BamHI; XbaI; Sall; PstI; SphI; HindIII

Promoters: HSV TK

Replicon: pMB1

Terminator: SV40 late

Growth Conditions

Medium:

ATCC Medium 1945: Terrific broth (ATCC medium 1743) with 200 mcg/ml ampicillin

Temperature: 37°C

Notes

Restriction digest of the clone give the following sizes (kb): EcoRI--7.2, 0.9; HindIII--7.6; EcoRI/HindIII--4.5, 2.7, 0.9; NotI--4.4, 3.2; BamHI--3.8 (doublet).

- ATCC staff

Reporter plasmid permitting visual detection of beta-galactosidase activity by

histochemical staining.

- Nucleic Acids Res. 17: 2365, 1989

Designed to express low levels of beta-galactosidase or an alternative gene product. May be used as a reference plasmid in transfection experiments or to monitor the effect of trans-acting factors.

- Nucleic Acids Res. 17: 2365, 1989

The lacZ gene may be excised by NotI and replaced with alternative sequences.

- Nucleic Acids Res. 17: 2365, 1989

The order of the major features in this plasmid is: pUC19 - EcoRI - HSV thymidine kinase promoter - SV40 late 16S/19S splice signals - NotI - lacZ - NotI - SV40 late polyadenylation signal - XbaI - HindIII - pUC19.

- Nucleic Acids Res. 17: 2365, 1989

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pTKbeta (ATCC 77178)

References

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

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