



HTLV-II, deltaH6H11, in pBR322, purified plasmid DNA

45134D™

Description

Full length clone of Human T-cell leukemia virus II.

Constructed by inserting the HindIII fragment from lambdaH6 into the HindIII site of pBR322 that had been modified by an EcoRV-MscI deletion of approximately 1.25 kb.

The full-length plasmid is unstable in bacterial hosts, and is distributed as purified plasmid DNA. The insert contains the following restriction sites (approximate kb from 5' end): EcoRI--0.1, 0.8, 4.7, 9.0; KpnI--1.7, 3.4; NheI--1.0, 6.65; SacI--0.5, 4.0, 8.7; XbaI--3.6; BamHI--0.3, 5.0, 8.4.

- personal communication

The viral portion of the insert is 8.8 kb. The insert also includes cellular sequences derived from Mo (T cell leukemia) cells.

- Nature 305: 502-505, 1983

Size of Construct (kb): 13.2

Organism: human T-cell leukemia virus II

Clone type: Clone

Shipping information: Plasmid DNA

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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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.

BSL 2

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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): 10.1

Type of DNA: genomic

Insert information:

Insert ends: HindIII

DNA Seq. Acc.: M10060

Genome: human T-cell leukemia virus II

Contains complete coding sequence: Yes

Insert end: HindIII

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Vector Information

Intact vector size: 4.363

Vector name: pBR322

Type of vector: plasmid

Vector end: HindIII

Vector information: DNA Seq. Acc.: J01749

Markers: ampR; tetR

Replicon: pMB1

Handling Procedures

Plasmid can be rehydrated with water or TE buffer. Plasmid can be transformed into a suitable *Escherichia coli* host using standard protocols. Transformed bacteria can be grown on LB + 50 µg/mL of ampicillin agar. Incubate cultures at 30°C. Isolate DNA using standard plasmid preparation procedures.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: HTLV-II, deltaH6H11, in pBR322, purified plasmid DNA (ATCC 45134D)

References

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

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