



pIIEx424 tRNA

87175™

Description

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

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

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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.

Vector Information

Construct size (kb): 7.300000190734863

Intact vector size: 7.300

Vector name: pIIEx424 tRNA (plasmid)

Type of vector: plasmid

Construction: pRS424

Host range: *Saccharomyces cerevisiae*; *Escherichia coli*

Cloning sites: EcoRI

Insert detection: lacZ', <-

Markers: ampR; TRP1

Promoters: *In vitro* transcription T7; T3; lac; SUP4 tRNA intragenic promoter

Replicon: 2 micron; f1; pMB1

Restriction sites: BamHI; EcoRI; Sall

Terminator: RPR1, <-

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--7.4;

BamHI--7.4; HindIII--5.2, 2.1.

- ATCC staff

One of a series of shuttle vectors (ATCC 87167 - 87182) designed for stable expression of small structured RNAs in yeast. The vectors differ in

promoter/terminator cassettes, selectable markers, replicons, and copy number.

- Gene 151: 209-214, 1994

Constructed by insertion of a promoter/terminator cassette into the multiple cloning site of the shuttle vector pRS424.

- Gene 151: 209-214, 1994

Cloned inserts can be transcribed from the SUP4 tRNA gene intragenic promoter to produce structured pre-tRNA leaders fused to RNA corresponding to inserted sequences.

- Gene 151: 209-214, 1994

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pIIEx424 tRNA (ATCC 87175)

References

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

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