



pJK148

86956TM

Product Sheet

Description

Organism: *Schizosaccharomyces pombe* Lindner, fission yeast

Clone type: Vector

Shipping information: Rehydrate with TE

Storage Conditions

Product format: 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



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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): 2.0699999999999998

Type of DNA: genomic

Genome: Schizosaccharomyces pombe

Gene product: [leu1]

Gene symbol: leu1

Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 5.343999862670898

Intact vector size: 3.272

Vector name: pJK142

Type of vector: plasmid

Construction: pJK142

Host range: *Escherichia coli*

Vector end: Ndel

Cloning sites: SacI; SacII; Spel; XbaI; NotI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; Sall; HinclI; Xhol; Apal; Drall; KpnI

Insert detection: lac

Markers: LEU1; ampR

Polylinker sites: SacI; SacII; Spel; XbaI; NotI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; Sall; HinclI; Xhol; Apal; Drall; KpnI

Promoters: lac

Replicon: pMB1

Growth Conditions

Medium:

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



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Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--5.2; PstI--5.2; HindIII--2.9, 2.4.

- ATCC staff

Shuttle vector for integrating sequences at leu1. Permits visual detection of recombinants by lacZalpha complementation. Constructed from pJK142 (ATCC 86955) by inserting the leu1 gene at the NdeI site. The leu1 gene contains the following unique restriction sites: SphI EcoNI Eco47III BsmI Bsu36I SphI Tth3I NdeI NruI SnaBI. The order of the major feature in the plasmid is: ampR - pMB1 ori - 5' lacZ' - SacI/MCS/KpnI - 3' lacZ' - leu1.

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pJK148 (ATCC 86956)

References

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

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