



# pJK148

## 86956™

Product Sheet

### Description

**Organism:** *Schizosaccharomyces pombe* Lindner, fission yeast

**Clone type:** Vector

**Shipping information:** Rehydrate with TE

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### Storage Conditions

**Product format:** Dried

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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.

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### 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.

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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](http://www.atcc.org).

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### 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

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### 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:** NdeI

**Cloning sites:** SacI; SacII; SpeI; XbaI; NotI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; Sall; HincII; XhoI; ApaI; DralI; KpnI

**Insert detection:** lac

**Markers:** LEU1; ampR

**Polylinker sites:** SacI; SacII; SpeI; XbaI; NotI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; Sall; HincII; XhoI; ApaI; DralI; KpnI

**Promoters:** lac

**Replicon:** pMB1

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### 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: StyI 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

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## Material Citation

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

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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