pBP108

77088™

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

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): 4.900000095367432
Intact vector size: 4.900
Vector name: pBP108 (plasmid)
Type of vector: plasmid
Construction: YTCA-1x, pRS303, BLUR8
Host range: *Saccharomyces cerevisiae*; *Candida robusta*; *Escherichia coli*
Cloning sites: SacI; SacII; EagI; NotI; XbaI; SpeI; SmaI; PstI; EcoRI; XhoI; ApaI
Markers: HIS3; ampR
Polylinker sites: SacI; SacII; BstXI; EagI; NotI; XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; SalI; XhoI; ApaI; KpnI
Promoters: lac; SP6
Replicon: pMB1

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): BamHI--4.6, 0.3; EcoRI--4.9; PstI--3.4, 1.15, 0.35.
- ATCC staff

Acentric chromosome fragmentation vector targeting Alu sequences. Contains promoters for in vitro RNA synthesis.
- Gene 106: 125-127, 1991

Constructed from pBP103 (ATCC 77087) by inserting a 0.3 kb Alu-containing sequence from BLUR8 into the BamHI site. pBP108 (ATCC 77088) and pBP109 (ATCC 77089) differ in the orientation of the Alu sequence.
- Gene 106: 125-127, 1991

Any unique restriction site between the targeting sequence and the telomere-adjacent sequence can be used to linearize the plasmid before transformation.
- Gene 106: 125-127, 1991

The EcoRV and ClaI sites between the SP6 promoter and the telomere sequence can be used for recovery from deletion derivatives of YAC insert sequences adjacent to the fragmentation site.
- Gene 106: 125-127, 1991

The order of the major features in this plasmid is: bla - HIS3 - lacZ'/MCS/3'Alu5' - HindIII - SphI - PstI - AccI - SalI - TEL - ClaI - EcoRV - SP6 promoter.
- Gene 106: 125-127, 1991

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pBP108 (ATCC 77088)

References

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

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