pExSec1

87164™

Description

Clone type: Vector
Host: *Escherichia coli* HB101 (ATCC 33694)

Storage Conditions

Product format: Frozen

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): 3.38100004196167
Intact vector size: 3.381
Vector name: pExSec1 (phagemid)
Type of vector: phagemid
Construction: pUK21, pET3b, pEZZ18
Host range: *Escherichia coli*
Vector information:
Features (with orientation and position when available):
leader peptide: synthetic ZZ sequence of protein A, ->, 162-641
other: M13 intergenic region, ->
other: M13 intergenic region
Features: leader peptide: synthetic ZZ sequence of protein A
Cloning sites: EcoRI; SacI; Asp718; KpnI; SmaI; BamHI
Markers: kanR
MCS: EcoRI...BamHI, ->, 642-670
Polylinker sites: EcoRI; SacI; Asp718; KpnI; SmaI; BamHI
Promoters: *In vitro* transcription: T7
Replicon: M13
Restriction sites: NdeI
Ribosome-binding site: Shine-Dalgarno sequence
Terminator: T7, ->, 673-795
Transcription terminator: T7, ->, 673-795

Growth Conditions

Medium:
ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin
Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--3.4; BglI/EcoRI--3.1, 0.3; EcoRI--3.4; BglII/EcoRV--3.2, 0.2.
- ATCC staff

Expression and secretion vector for E. coli.
- Gene 150: 187-192, 1994

Constructed using M13 replication and kanR selection mechanisms from pUK21, T7 regulatory sequences from a 271 bp BglII-EcoRV fragment of pET3b and leader peptide sequence and multiple cloning sites from pEZZ18.
- Gene 150: 187-192, 1994

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pExSec1 (ATCC 87164)

References

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

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Revision

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