pAL-F

87563™

Description

This is a cosmid cloning vector useful for sequencing genomic DNA inserts by generation of an ordered set of deletion subclones. To obtain ordered deletions of a genomic fragment, the DNA of interest is cloned into the BamHI site, followed by digestion of the plasmid with one of 4 restriction endonucleases (KpnI, SalI, XhoI, SacI) and subsequent religation to obtain a set of subclones. IS1-promoted deletions can be selected by plating each subclone on deoxygalactose-containing media. Appropriate deletion clones should be Gal- and StrS. Sequencing of the cloned inserts can be performed using the -23 IS1 primer (5? AAA ACA CCA TCA TAC ACT AA 3?) published in Methods in Enzymology 155: 177-204, 1987.

Clone type: Vector

Shipping information: *Escherichia coli* containing the cosmid in glycerol stock

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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): 8.84000015258789
Vector name: pAL-F (cosmid)
Vector information:
other: IS1 transposable element
other: lambda cos site
Coding sequence: galK
Insert detection: lacZalpha
Markers: strS; kanR; ampR
MCS: EcoRI...HindIII
Replicon: pMB1; rop (copy number control)

Growth Conditions

Temperature: 37°C

Notes

Restriction digests of the vector gave the following sizes (kb): HindIII 8.8; BamHI 8.8;

EcoRI 8.8. ------ATCC staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pAL-F (ATCC 87563)

References

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

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Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor