



# pAL-F 87563<sup>™</sup>

## 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, Sall, 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<sup>-</sup> and Str<sup>S</sup>. 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

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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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

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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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## 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)

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## Growth Conditions

**Temperature:** 37°C

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## Notes

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

EcoRI 8.8.

-----ATCC staff

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## Material Citation

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

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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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