



# pFD666

77286™

## Description

A cosmid shuttle vector for actinomycetes or *E. coli* that can be used for production of ssDNA and has promoters for in vitro RNA synthesis. The order of the major features in this plasmid is: rrnC terminator - SP6 -SphI/MCS/HindIII - T7 - trpA terminator - neo - synthetic promoter - pMB1 ori -cos - M13 ori - pJV1 ori. Terminators flanking the polylinker protect the vector from transcripts originating in cloned inserts. - Gene 111: 115-118, 1992 The pJV1 ori from *Streptomyces phaeochromogenes* is compatible with plasmids derived from pIJ101. This vector can be used for complementation studies using multiple cloned genes in one host. - Gene 111: 115-118, 1992 M13K07 helper phage improves the yield of ssDNA in *E. coli* with this vector. M13mp18 may also be used. - Gene 111: 115-118, 1992

**Clone type:** Vector

**Shipping information:** *Escherichia coli* containing the plasmid

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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):** 5.25

**Vector name:** pFD666 (cosmid)

**Construction:** pIBI76, Lorist6, pUC118, pCOS2EMBL, pWOR126

**Markers:** kanR

**Promoters:** SP6; T7

**Replicon:** pMB1; M13; pJV1

**Terminator:** rrnC, trpA

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## Growth Conditions

**Medium:**

ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

**Temperature:** 30°C

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## Notes

Restriction digests of the vector gave the following sizes (kb): BamHI--5.4;PstI--5.4;PvuII--3.7, 1.7; SacI--4.5, 0.9.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pFD666 (ATCC 77286)

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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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