



# pARO181

## 77125™

### Description

This is a mobilizable expression vector encoding the lacZα (lacZ?) peptide permitting visual detection of recombinants. It contains priming sites useful for sequencing as well as the basis of mobilization (bom) and origin of transfer (oriT) sequences from RP4 the order of major features in this plasmid is: lacZ?/MCS ? pMB1 ori ? kanR ? oriT/bom..This vector can be used as an expression vector in bacteria of the family Enterobacteriaceae, or as a mobilizable suicide vector for site-specific insertional mutagenesis in diverse other bacterial strains. It replicates to a high copy number in *Escherichia coli* and *Enterobacter aerogenes*.

**Clone type:** Vector

**Shipping information:** *Escherichia coli* containing the plasmid 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):** 6.070000171661377

**Vector name:** pARO181 (plasmid)

**Type of vector:** plasmid

**Construction:** pUC18, pSUP2021, Tn5

**Insert detection:** lacZ'

**Markers:** kanR

**Promoters:** lac

**Replicon:** pMB1

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## Notes

Restriction digests of the clone gave the following sizes (in kb): BamHI 2.9, 1.4, 1.1 ;

EcoRI 4.0, 1.4 ; NcoI 4.6, 0.8.

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: pARO181 (ATCC 77125)

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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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