

## Description

This is a mobilizable expression vector encoding the lacZα (lacZ?) peptide which permits visual detection of recombinants. It can also be used as an expression vector in bacteria of the family Enterobacteriaceae, or as a mobilizable suicide vector for site-specific insertional mutagenesis in other bacterial strains. It replicates to high copy number in *E. coli* and *Enterobacter aerogenes*. It contains the basis of mobilization (bom) and origin of transfer (oriT) sequences from RP4. This region can be transferred to another version of pUC vectors by using a MCS restriction site and the unique AlwNI site. This vector also contains priming sites useful for sequencing. The order of major features in this plasmid is: lacZ?/MCS ? pMB1 ori ? AlwNI site ? bla ? oriT/bom.The pARO180 plasmid (ATCC#77123) and pARO190 plasmid (ATCC#77124) differ in the orientation of the MCS within lacZ?.

Clone type: Vector

Shipping information: Escherichia coli containing the plasmid

## **Storage Conditions**

**Product format:** Freeze-dried **Storage conditions:** 2°C to 8°C

#### 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<sub>1</sub>



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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.

### **Vector Information**

**Construct size (kb):** 5.460000038146973

Vector name: pARO190 (plasmid)

Type of vector: plasmid

Construction: pUC19, pSUP2021

Markers: ampR Promoters: lac Replicon: pMB1

### **Growth Conditions**

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

## Notes





Restriction digests of the vector gave the following size bands (in kb): BamHI 5.5; EcoRI 5.5; HindIII 5.5; PstI 5.5; HindIII/EcoRI 5.5. ATCC Staff

#### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: pARO190 (ATCC 77124)

#### References

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

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### Revision





This information on this document was last updated on 2025-09-09

## **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

