



# mammalian expression vectors

87057<sup>TM</sup>

## Storage Conditions

**Product format:** Freeze-dried

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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

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.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.



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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).

### Growth Conditions

**Host:** *Escherichia coli* HB101 (ATCC 33694)

### Notes

Restriction digests of the clone give the following sizes (kb): Pvul--2.6, 1.8, 1.4; EcoRI--3.3, 2.5; HindIII--4.5, 1.3; BglII--5.8; Clal--5.8.

- ATCC staff

The plasmid contains the following restriction sites (bp from 0): NotI--0; EcoRI--9, 3272; SacI--1593; Pvul--1842, 3197, 4987; Clal--1981; Xhol--2005; BglII--2028; SphI--3153, 3356; NsiI--3155; HindIII--2040, 3368; DrdI--3829, 5700; BsaI--4687.

- personal communication

Expression vector containing two lacZalpha-based multiple cloning sites, with the second containing an amber mutation and being flanked by a mouse metallothionein I promoter at one end and splicing and polyadenylation signals at the other.

- Gene 119: 155-161, 1992

The first site was designed for insertion of a marker selectable in mammalian



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cells, and the second for the sequence to be expressed.

- Gene 119: 155-161, 1992

Both sites permit detection of inserts by alpha complementation, with discrimination between the two provided by the amber mutation in the second lacZ.

- Gene 119: 155-161, 1992

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### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: mammalian expression vectors (ATCC 87057)

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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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