

Description

This is an expression vector containing two multiple cloning sites: the first being within the lacZ? gene, and the second being flanked by an RSV enhancer-MMTV LTR promoter at one end and splicing and polyadenylation signals at the other. The first site was designed for insertion of a marker selectable in mammalian cells, and the second for the sequence to be expressed. The first site permits detection of inserts by alpha complementation. The order of major features in this plasmid is: NotI/EcoRI ? 5? RSV enhancer ? MMTV LTR 3? ? ClaI/MCSII?/Bgl II ? splicing ? polyadenylation ? NsI ? 3? lacZ? ? EcoRI/MCSI/HindIII ? 5? lacZ? ? pMB1 ori ? ampR.

Clone type: Vector

Shipping information: *Escherichia coli* containing the phagemid

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 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*

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(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.

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): 5.169000148773193

Vector name: pM (plasmid)

Type of vector: plasmid

Construction: pUC19, pMAMneo, SV40 early splicing region

Enhancer: RSV

Insert detection: lacZ'

Markers: ampR

Promoters: lac; MMTV LTR

Replicon: pMB1

Terminator: SV40

Growth Conditions

Medium:

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

Temperature: 37°C

Notes



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Restriction digests of the clone gave the following sizes (in kb): Pvul 3.4, 1.8 ;
EcoRI 2.6, 2.6 ; Bgl II 5.2 ; Clal 4.1, 1.1.

ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pM (ATCC 77383)

References

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

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