



pPZP-RCS1

MBA-38™

Description

This is the plant transformation vector pPZP200 (Hajdukiewicz P. et al. 1994. Plant Mol. Biol. 25: 989-994.) to which the following rare cutters have been added to the polylinker between the EcoRI/HindIII sites:

EcoRI - SrfI - SgfI - Sse3871 - Pfl - PstI - PspI - I-CeuI - I-SceI - PacI - I-PpoI - AscI - SmaI - HindIII

The bom site of pBR322 is present for mobilization from *Escherichia coli* to *Agrobacterium*. It also contains both the colE1 origin of replication for *E. coli* and the pVS1 origin of replication for *Agrobacterium*.

Restriction digests of the vector gave the following results (in kb): EcoRI--8.0; PstI--8.0; Bgl I--2.8, 2.0, 1.0, 0.5 according to the ATCC Molecular Genomics team.

Clone type: Vector

Shipping information: *Escherichia coli* DH5α 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 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.

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

Vector name: pPZP-RCS1 (plasmid)

Type of vector: expression

Construction: pPZP200

Markers: strR; spcR

Terminator: pPZP200

Transcription terminator: pPZP200

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pPZP-RCS1 (ATCC MBA-38)

References

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

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