pCMV8

87784™

Description

Clone type: Vector
Deposited As: human

Storage Conditions

Product format: Frozen

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

Construct size (kb): 4.912000179290772
Intact vector size: 4.912
Vector name: pCMV8 (phagemid)
Type of vector: phagemid
Construction: pTZ18R, bacteriophage f1, CMV promoter
Cloning sites: PstI; SalI; XbaI; BamHI; SmaI
Enhancer: SV40
Markers: ampR
MCS: PstI...SmaI
Polylinker sites: PstI; SalI; XbaI; BamHI; SmaI
Promoters: CMV
Replicon: f1, ←
Terminator: hGH
Transcription terminator: hGH

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--4.9; SalI--4.9; XbaI--4.9. Should be grown in media containing ampicillin at a final concentration of 1 mg/mL to improve plasmid yields.
- ATCC staff

May be used in essentially all cultured cells in transient transfection assays, to establish permanent cell lines and to construct transgenic mice. The pCMV7 plasmid contains a hybrid intron, while the pCMV8 plasmid contains both a hybrid intron and a 5' untranslated segment corresponding to the adenovirus major late tripartite leader sequence.
- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCMV8 (ATCC 87784)

References

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

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