



pHCMV-G

MBA-394™

Description

This product is an ATCC manufactured and accessioned progeny of 75497 cited in US Patent Number 5,670,354.

Clone type: Vector

Deposited As: ATCC accessioned progeny of pHCMV-G cited in US Patent Number 5,670,354 as 75497.

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): 6.35

Intact vector size: 6.350

Vector name: pHCMV-G (plasmid)

Type of vector: plasmid

Construction: pBR322, HCMV, VSV-G

Host range: Homo sapiens; hamster; zebrafish

Cloning sites: XbaI; Sall; BamHI; XhoI; KpnI

Markers: ampR

Promoters: HCMV (cytomegalovirus)

Growth Conditions

Medium:

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

Temperature: 37°C

Handling Procedures

Rehydrate plasmid with water or TE buffer. Plasmid can be transformed into a suitable *Escherichia coli* host using standard protocols and then grown on LB + 50 µg/mL of ampicillin agar. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

Notes

The retrovirus-derived vectors in which the retroviral envelope glycoprotein has been

replaced by the G glycoprotein of vesicular stomatitis virus. Vector can be used in the transfer of an exogenous gene into the cells of non-mammalian organisms.

- U.S. Pat. 5,512,421 dated Apr. 30, 1996

Contains the immediate early promoter of human cytomegalovirus, the cDNA encoding VSC-G protein and the polyadenylation signal of the rabbit B-globin gene.

- U.S. Pat. 5,512,421 dated Apr. 30, 1996

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pHCMV-G (ATCC MBA-394)

References

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

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