AM6 [EC-AM6, pAM6]

39630™

Description

Organism: Hepatitis B virus, Hepatitis B virus
Clone type: Clone
Host: *Escherichia coli* HB101 (ATCC 33694)
Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.
Patent number:
4,777,240
Technical information: ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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 2

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.

Insert Information

Insert size (kb): 3.2000000000000002
Type of DNA: genomic
Insert strain: serotype adw
Genome: Hepatitis B virus
Gene name: genome, full-length
Contains complete coding sequence: Unknown
Insert end: BamHI

Vector Information

Construct size (kb): 7.5
Intact vector size: 4.363
Vector name: pBR322
Type of vector: plasmid
Construction: pBR313
Host range: *Escherichia coli*
Vector end: BamHI
Vector information:

Cross references: DNA Seq. Acc.: J01749
Cloning sites: EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; AvaI; BalI; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; ScaI; SspI; AatII
Markers: ampR; tetR
Replicon: pMB1

Growth Conditions

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

Notes

Distributed in aliquots of 200 ng (11 ul). Restriction digests of the clone give the following sizes (kb): BamHI--4.5, 1.85, 1.35; HindIII--7.5; EcoRI--7.5; BglII/PstI--5.2, 1.35, 0.96. AM6 is available as ATCC 39630, 40101, 45020 and 45020D.
- ATCC staff

The virus was isolated from plasma (subtype adw) from an HBsAg-positive donor. DNA was extracted from purified Dane particles.
- personal communication

The 1350 bp BamHI fragment encodes both group and subtype-specific determinants of HBsAg.
- Proc. Natl. Acad. Sci. USA 78: 2606-2610, 1981

The complete viral genome was linearized with BamHI and inserted into pBR322. A BamHI digest cuts the insert into fragments of 1.85 kb and 1.35 kb. The 1.35 kb fragment contains coding sequences for HBsAg and most of region P. The 1.85 kb fragment encodes HBcAg and most of the X gene product.

- U.S. Pat. 4,942,125 dated July 17, 1990

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: AM6 [EC-AM6, pAM6] (ATCC 39630)

References

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

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