**AM6 [EC-AM6, pAM6] purified plasmid DNA 45020D™**

**Description**

Full length hepatitis B virus genomic DNA in pBR322 plasmid. Purified plasmid DNA (200 ng, dried).

Restriction digests of the clone give the following sizes (kb): BamHI--4.4, 1.85, 1.35; 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

AM6 is available at ATCC 39630, ATCC 40101, and ATCC 45020. The 1350 bp BamHI fragment encodes both group and subtype-specific determinants of HBsAg. The complete viral genome was linearized with BamHI and inserted into pBR322.

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

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.

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45020D

Organism: Hepatitis B virus, Hepatitis B virus
Clone type: Clone
Shipping information: Purified DNA

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 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.
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Insert Information

Insert size (kb): 3.2
Type of DNA: genomic
Insert strain: serotype adw
Genome: Hepatitis B virus
Gene name: genome, full-length
Insert end: BamHI

Vector Information

Construct size (kb): 7.5
Intact vector size: 4.363
Vector name: pBR322
Type of vector: plasmid
Vector end: BamHI
Vector information: Vector cross reference: DNA Seq. Acc.: J01749
Markers: ampR

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: AM6 [EC-AM6, pAM6] purified plasmid DNA (ATCC 45020D)

References

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

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