



CERTIFICATE OF ANALYSIS

AVA03B000

Product

Purified AAV2shH10-Empty (Lot 24-380E)

Storage Conditions

The AAV vectors should be kept at -80°C for long-term storage. When storing for frequent use, 4°C is recommended.

Avoid storing at -20°C.

Shipping Conditions

Dry Ice

Manufacture Date

2024-08-25

Shelf Life/Expiration Date

Virovek's AAV will last 5 years from the manufacture date when stored at -80°C without freeze-thaw cycles.

Description

AAV2shH10-Empty was produced in insect Sf9 cells by infection with rBV-inCap2shH10-inRepOpt-kan (Fig.2).

The vectors were purified through 2 rounds of CsCl ultracentrifugation. CsCl was removed through buffer exchange with Amicon desalting columns. The vectors were then sterilized via filtration with 0.22 µm filters. The final buffer is 1xPBS + 0.001% pluronic F-68.

These vectors are for research use only and not for any human purposes.

Capsid Titer

The titer of **AAV2shH10-Empty** particles was determined by measuring the OD value with Nano Drop and plotting against a known AAV standard curve.



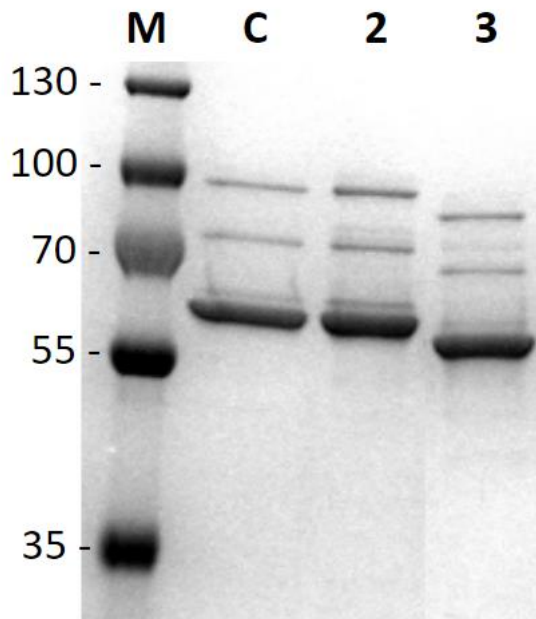
Quality Control Data

SDS-PAGE and InstantBlue Staining (Invitrogen) techniques were used to verify the purity of the vectors (Fig. 1). The qPCR value of Empty AAV capsid is equivalent to the negative control.

Product titer

Lot 24-380E:

- 1E+14 vp/mL
- 2E+13 vp/mL
- 1E+13 vp/mL



Lane M: Protein Ladder

Lane C: AAV8 Standard Control, 1E+11 vg loaded

Lane 3: AAV2shH10-Empty Lot 24-380E, 1E+11 vp loaded

Lane 2 is not related to this batch.

Fig. 1. SDS-PAGE and InstantBlue Staining of purified samples.

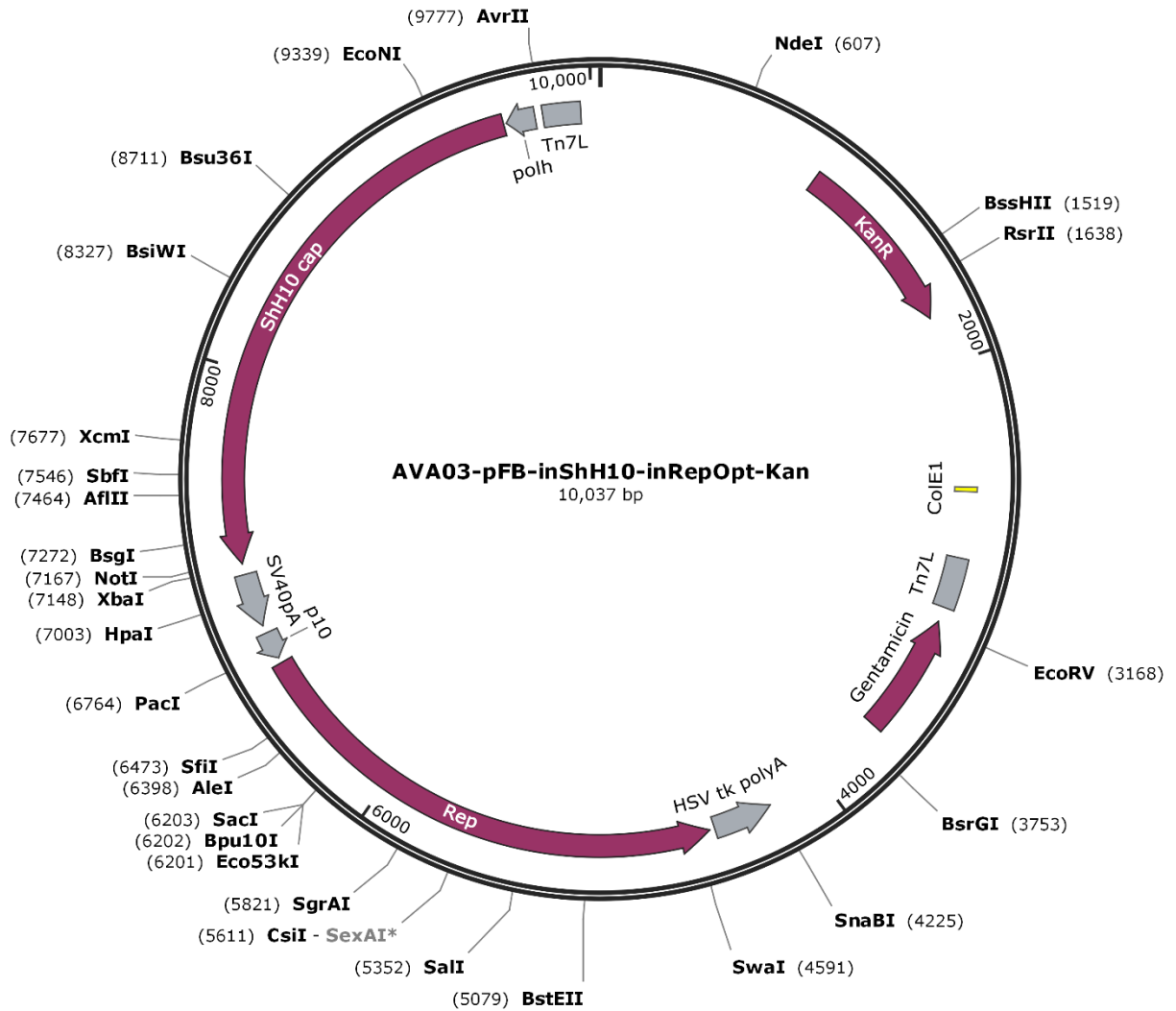


Fig. 2. Diagram of plasmid used to generate rBV-inCap2shH10-inRepOpt-kan (AVA03).

Approved By: QA/QC Team Date: 2024-09-25