



CERTIFICATE OF ANALYSIS

Purified AAV9-CMV-Luciferase (Lot 19-002)

(for research use only)

Storage Conditions

The AAV vectors should be stored at -80°C for long term usage. When storing for frequent use, 4°C is recommended. Avoid storing at -20°C. The plasmid should be stored at -20°C for long term usage.

Shelf Life

4 years when stored at -80°C. (AAV)

Shipping Conditions

Ice Pack Overnight

Description

AAV9-CMV-Luciferase was produced in insect Sf9 cells by infection with rBV-inCap9-inRepCap-kozak-hr2 (V289) (Fig 2) and rBV-CMV-Luciferase (AVA13) (Fig 3).

The vectors were purified through 2 rounds of CsCl ultracentrifugations. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns. The final AAVs are in 1xPBS+0.001% pluronic F-68 buffer.

The vectors are for research use only, not for any human use.

qPCR Titer

Lot 19-002: 2E+13 vg/ mL (final diluted)



Quality Control Data

The vectors were sterilized with 0.22 μ m filter. SDS-PAGE and InstantBlue Staining (Expedeon) verified the purity of the vectors (Fig. 1). Real-time PCR analysis determined the titers of the AAV samples.

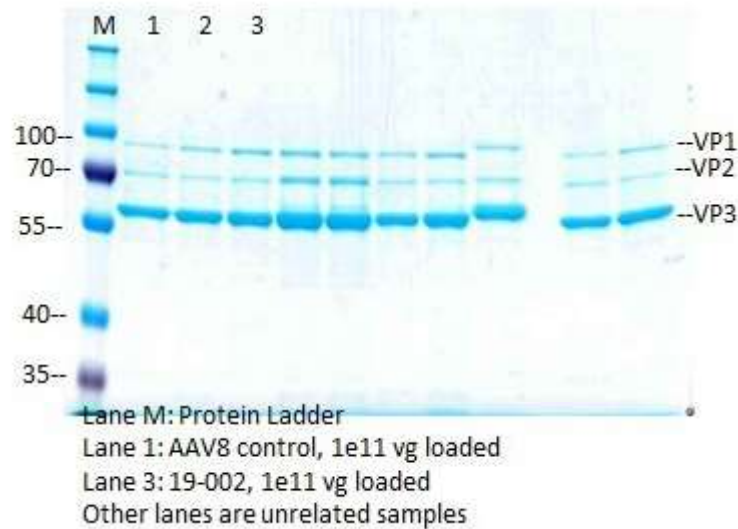


Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV9-CMV-Luciferase (Lot: 19-002).



Plasmids map

Created with SnapGene®

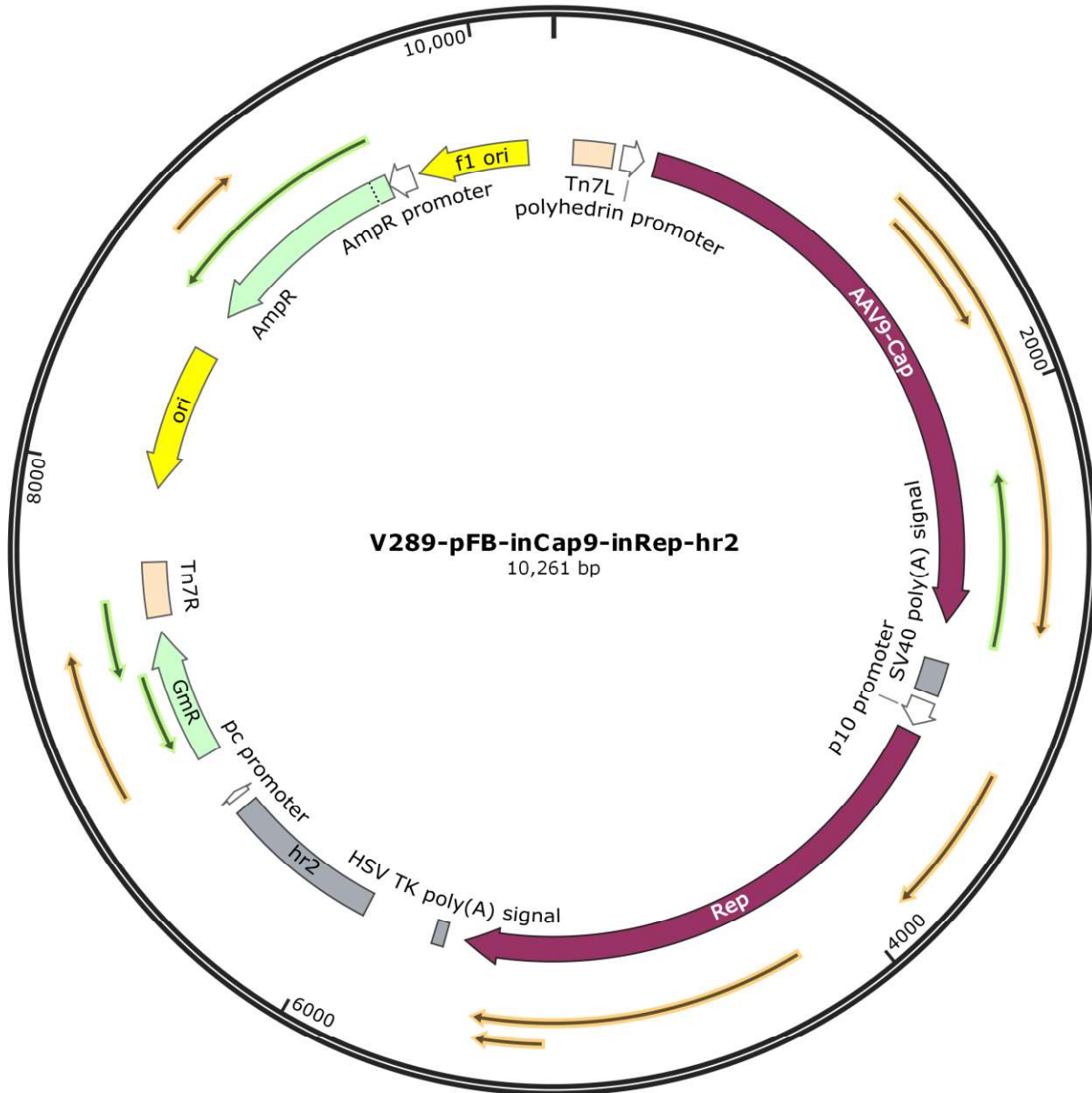


Fig. 2. Diagram of plasmid used to generate rBV- inCap9-inRepCap-kozak-hr2 (V289).

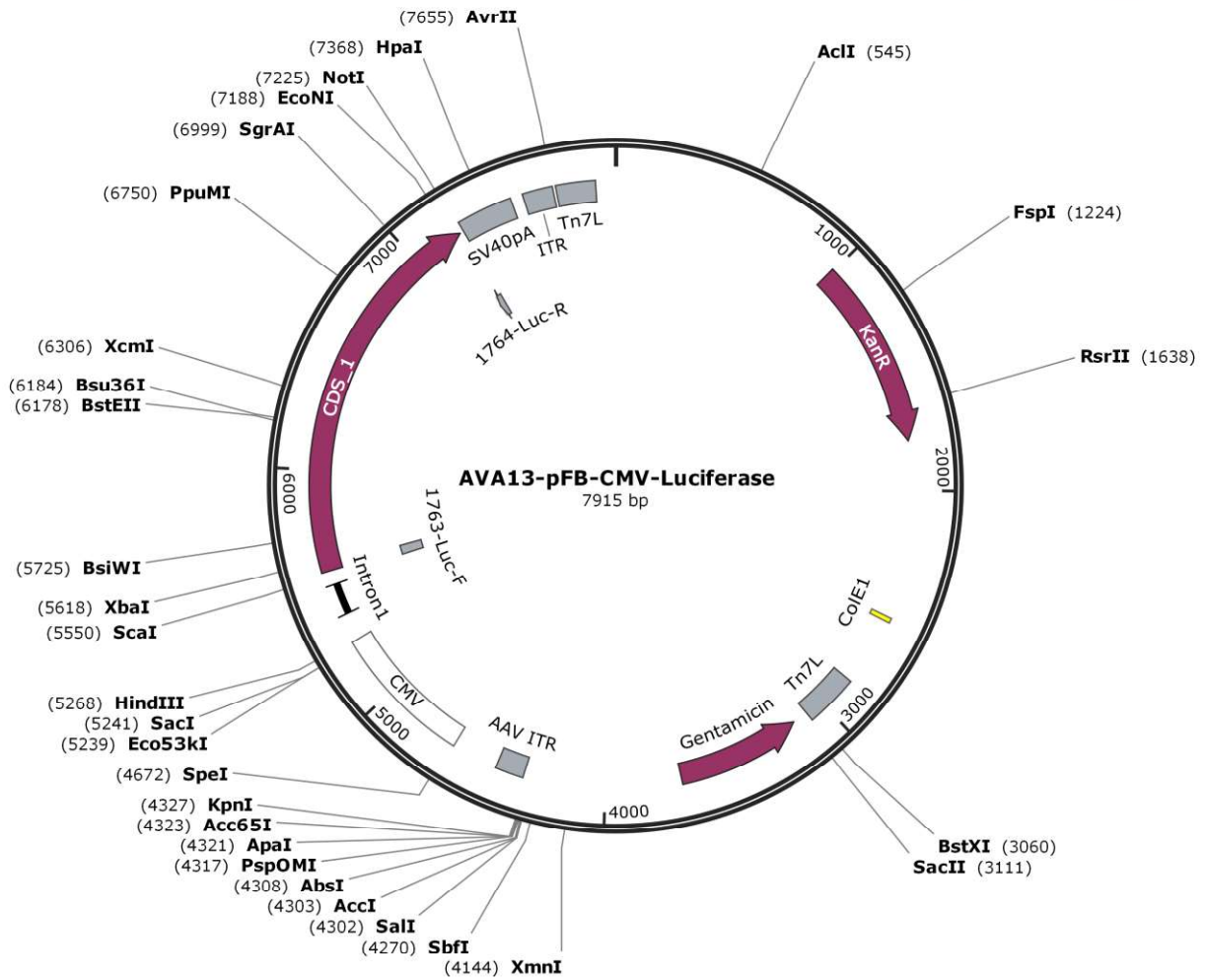


Fig. 3. Diagram of plasmid used to generate rBV- CMV-Luciferase (AVA13).

Approved by: *nicky zhou* Thursday, January 06, 2022