



CERTIFICATE OF ANALYSIS

Purified AAV2-CMV-Luciferase (Lot 22-075)

(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.

Shelf Life

3 years when stored at -80°C. (AAV)

Shipping Conditions

Dry Ice

Description

AAV2-CMV-Luciferase was produced in insect Sf9 cells by infection with rBV-inCap2-inRepCap-kozak (V104) (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+100mM sodium citrate+0.001% pluronic F-68.

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

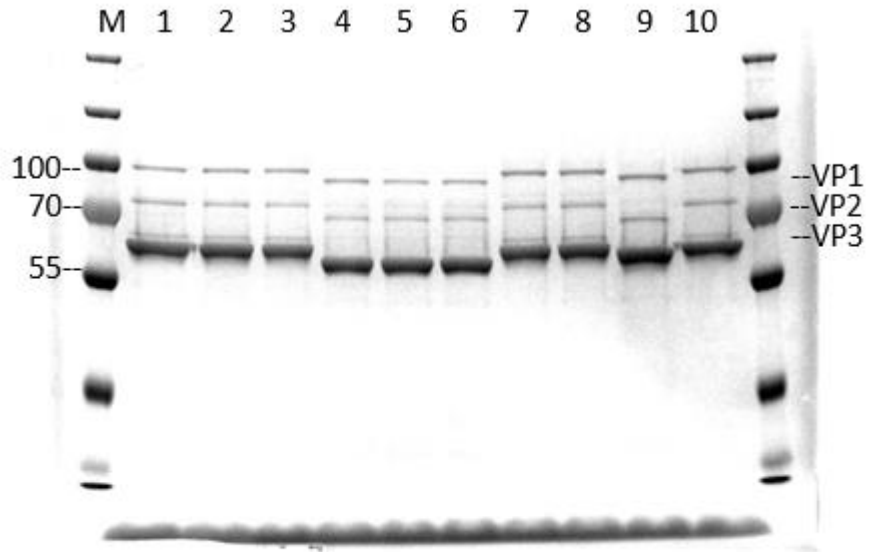
QPCR Titer

Lot 22-075: 2E+13 vg/ mL (final diluted)



Quality Control Data

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



Lane M: Protein Ladder
Lane 1: AAV8 control, 1e11 vg loaded
Lane 9: 22-075, 1e11 vg loaded
Other lanes are unrelated samples

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV2-CMV-Luciferase (Lot: 22-075).

Plasmids map

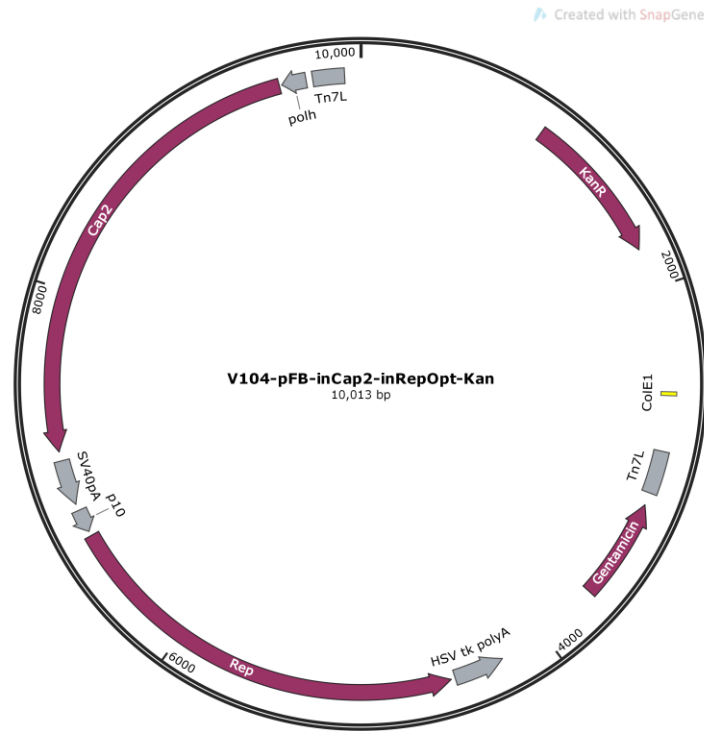


Fig. 2. Diagram of plasmid used to generate rBV- inCap2-inRepCap-kozak (V104).

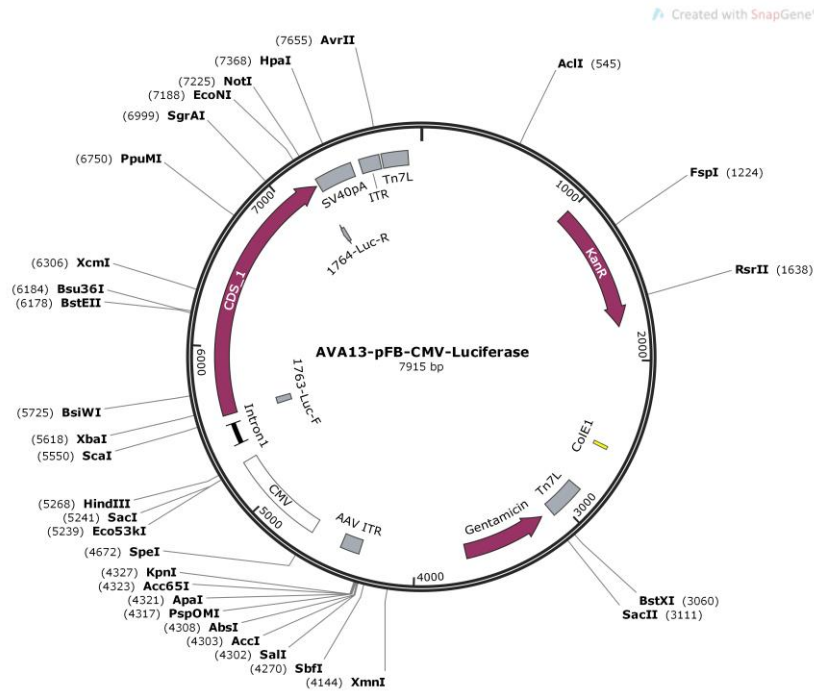


Fig. 3. Diagram of plasmid used to generate rBV- CMV-Luciferase (AVA13).

Approved by: *Alex Cheung* Thursday, August 04, 2022